

List

Univ. Calif. Bot. Garden Exped. to So Amer.

Chile, Argentina, Bolivia & Peru

in 1935-36

Collectors

James West

Ones Meira

Prof. Goodspeed.

for correspondence see under Prof. Goodspeed.



Dec. 1936

Specimens in J. H.

Copy 25

BOMBACACEAE

W. 3792 Bombax sp. no flowers

TILIACEAE or ELEOCHARP. (I cant recall which)

W. 3672 Vallea cordifolia R. & P.

W. 4873 Crinodendron Hookerianum Gay

W. 4972 " Patagua Molina

W. 5172 " "

M. 4065 Triumfetta acuminata HBK.

FLACOURTIACEAE

W. 3785 Abatia grandiflora Irmischer ined.

W. 4717 Azara lanceolata Hook. f.

W. 4804 " "

W. 4559 " celastrina Don.

W. 5130 " "

W. 4979 " integrifolia R. & P.

W. 5132 " Gilliesii H. & A.

EMPETRACEAE

W. 4891 Empetrum rubrum Vahl

ERICACEAE

M. 4272 Befaria glauca H. & B., var. coarctata (H. & B.) Mansf. & Sleum.

M. 3779 Gaultheria sp.

W. 3767 Vaccinium floribundum HBK.

W. 4699 Pernettya myrtilloides (Poepp. & Endl.) Zucc.

W. 4683 " "

W. 4890 " "

W. 4830 " "

W. 4893 " "

W. 3780 " "

W. 4695 " furiens (H. & A.) Kl.

W. 4388 " "

BORAGINACEAE

- W. 3900 *Cordia decandra* H. & A.
 M. 4009 " *macrocephala* (Desv.) HBK.
 W. 3575 " *lutea* Lam.

 M. 4029 *Heliotropium arborescens* L.
 M. 4080 " "
 W. 3886 " *stenophyllum* H. & A.
 W. 3875 " *pycnophyllum* Phil.
 M. 4087 " *angiospermum* Murr.

 M. 4093 *Tournefortia microcalyx* (R. & P.)

 M. 4178 *Coldenia litorale* Phil.?
 W. 3572 " *paronychioides* Phil.

 M. 4195 *Lithospermum Shepardae* Johnston

 M. 4185 *Plagiobothrys Kunthii* (Walp.) Johnston
 W. 4759 " *verrucosus* (Phil.) Johnston

 W. 5110 *Cynoglossum zeylanicum* Thunb.
 W. 4975 " *limense* Willd.

 W. 4767 *Amsinckia hispida* (R. & P.) Johnston

 W. 5102 *Echium vulgare* L.
 W. 3986 " "

 M. 4072 *Borago officinalis* L.

 M. 4181 *Cryptantha granulosa* (R. & P.) Johnston

POLEMONIACEAE

- M. 4613 *Gilia foetida* Gillies
 M. 4617 " *crassifolia* Benth

 W. 4763 *Collomia biflora* (R. & P.) Brand
 W. 5113 " "

 W. 3850 *Cantua buxifolia* Juss.
 W. 3688 " "

HYDROPHYLLACEAE

- W. 6092 *Phacelia pinnatifida* Griseb.
 M. 4367 " "
 W. 6082a " *nana* Wedd.
 W. 5092 " *magellanica* (Lam.) Cov.
 W. 4766 " *pinnata* (R. & P.) Macbr. var. *robusta* (Brand) Macbr.

BERBERIDACEAE

- W. 4680 *Berberis Darwinii* Hook.
W. 4681 " "
W. 4739 " "
W. 4905 *Berberis empetrifolia* Lam.
W. 4901 " *trigona* Kunze
W. 3998 *Berberis actinacantha* Mart. var. *typica*
W. 3997 " " " var. "
W. 4914 *Berberis crispa* Gay
W. 4702 *Berberis microphylla* Forst.
W. 4731 " "
W. 4811 *Berberis montana* Gay
W. 3665 *Berberis commutata* Eichl.
W. 3660 *Berberis phyllacantha* Rusby
W. 3664 *Berberis boliviana* Lechler
W. 3722 " "

CARYOPHYLLACEAE

- M. 4196 *Arenaria serpens* HBK.
W. 3827 *Arenaria* sp. δ sterile
M. 4031 *Stellaria cuspidata* Willd.
W. 3775 *Arenaria lanuginosa* (Mx.) Rohb.
G. 4542 *Cardionema ramosissima* Nels. & Macbr.
W. 6075 *Pycnophyllum tetrastichum* Remy
W. 4770 *Spergularia* n. sp. γ det. Mrs. Rossbach who is monographing genus
M. 4166 *Spergularia congestifolia* Johnston det. Mrs. Rossbach

NYCTAGINACEAE

- M. 4125 *Colignonia acutifolia* Heimer.
M. 4382 *Mirabilis ovata* R. & P.
M. 4382a " "
W. 6129 *Mirabilis Jalapa* L.
M. 4108 *Mirabilis viscosa* Cav.
W. 6187 *Allonia incarnata* L.
M. 4005 *Boerhaavia paniculata* Rich.
W. 6276 " *concinnea* Miller
W. 3578 *Cryptocarpus pyramidalis* HBK.

CHENOPODIACEAE

- W. 6178 *Suaeda divericata* Moq/
W. 5061 *Atriplex hastatum* L.
W. 6193 *Atriplex*
W. 3873 *Atriplex taltalensis* Johnston

Aizoaceae

- W. 3891 5063 *Carpobrotus chilensis* (Mol.) N.E. Br. and *Tetragonia expansa*
W. 3877 *Tetragonia maritima* Barn.

PHYTOLACCACEAE

- M. 4302 *Hillieria latifolia* (Lam.) H. Walt.
W. 6256 *Phytolacca bogotensis* HBK.

BIGNONIACEAE

- W. 3673 *Stenolobium arequipensis* Sprague vel valde aff.
M. 4081 *Stenolobium* sp. apparently new
W. 6125 *Stenolobium Garrocha* (Hieron.) Schum.

W. 3771 *Delostoma Lobbii* Seeman
W. 3675 " "
M. 4035 *Tourrettia lappacea* (L'Herit.) Willd.

W. 6014 *Eccremocarpus scaber* R. & P.

W. 5164 *Argylia viridis* Phil.
M. 4174 *Argylia radiata* (L.) Don
W. 3865 " "

M. 4339 *Dolichandra cynanchoides* Cham.

W. 6132 *Pithecoctenium cynanchioides* DC.
M. 4343 " "

Gesneriaceae

- W. 6160 *Achimenes* sp.
M
M. 4136 *Besleria* sp.
M. 4158 " *lucida* Poepp.

W. 4847 *Mitraria coccinea* Cav.
W. 4670 " "

W. 4692 *Sarmienta repens* R. & P.
W. 4868 " "

W. 4720 *Asteranthera ovata* (Cav.) Hanst.

RUBIACEAE (incomplete)

- W. 6260 *Heterophyllaea pustulata* Hook. f.

M. 4313 *Cinchona pubescens* Vahl.

W. 6131 *Manettia cordifolia* Mast.

W. 3656 *Arcytophyllum thymifolium* (R. & P.) Standley

W. 4669 *Nertera depressa* Banks

W. 4963 *Relbunium hypocarpium* (L.) Hemsl.

W. 5120 *Oldenlandia thesiifolia* (St.Hil.) Schum.

W. 3918 *Cruckshanksia Monttiana* Clos
W. 4778 " *glacialis* Poepp. & Endl.

CAMPANULACEAE

- W. 4953 *Wahlenbergia linarioides* A. DC.

M. 4155 *Centropogon cuspidatus* A. DC.
M. 4130 " aff. *Macbridei* Gleason

M. 4280 *Siphocampylos Orbignyanus* A. DC.
W. 3798 " sp.

copy 34

CAMPANULACEAE cont.

- W. 4880 *Lobelia Bridgesii* H. & A.
 W. 4971 " *Tupa* L.
 W. 3777 " *nana* H.B.K.
 W. 3940 " *excelsa* Bonpl.
 W. 3913 " *polyphylla* H. & A. var. *angustifolia* (DC.)
 W. 4740 *Hypsela oligophylla* (Wedd.) B. & H.
 M. 4193 " "

GOODENIACEAE

- W. 4999 *Selliera radicans* Cav. Mixed with *Lobelia anceps* L. (no. 4999). The latter is an erect plant with thinner leaves and subsessile flowers.

CUCURBITACEAE

- M. 4112 *Apodanthera mucronata* Cogn. a ~~dioecious~~ ^{monoecious} form
 M. 4352 *Cayapouia* sp.
 W. 6155 " *citrullifolia* Cogn. var. *breviloba* Griseb.

ACANTHACEAE

- M. 4056 *Dyschoriste repens* (R. & P.) Kuntze
 W. 6149 " sp.
 W. 6145 *Beloperone Mathewsii* Lind.
 M. 4340 *Ruellia Lorentziana* Griseb.
 W. 4932 *Stenandrium dulce* (Cav.) Nees
 M. 4189 " "
 W. 3716 " "

APOCYNACEAE

- W. 3790 *Mendevilla brachyloba* (Mul. Arg.) Schum.
 M. 4267 " "
 W. 6265 " *laxa* (R. & P.) Woodson
 W. 4718 *Elytropus chilensis* Mull. Arg.

ASCLEPIDACEAE

- W. 3910 *Tweedia brevipes* (Ph.) Malme
 W. 6119 *Asclepias campestris* Decne
 M. 4350 " " equals Venturi 4350 from Tucuman
 M. 4261 *Lugonia lysimachioides* Wedd.
 W. 6235 *Mitostigma speciosum* Malme
 W. 6142 *Gonolobus hartus* Griseb.
 W. 6150 " "
 W. 6289 " *australis* Malme
 W. 3991 *Diplolepis Menziesii* Schultz
 W. 5185 *Cynanchum nummulariifolium* H. & A.
 W. 3833 " sp. probably new
 W. 6130 *Philibertia* new species

LEGUMINOSAE (75)

- W. 3679 *Piptodena macrocarpa* Benth.
W. 3845 " "
W. 6272 " *excelsa* (Griseb.) Lillo
- W. 5193 *Acacia Cavenia* (Molina) H. & A.
- M. 4374 *Prosopis chilensis* (Molina) Stuntz
- M. 4039 *Cassia biflora* L. var.
M. 4260 " *latiopetiolata* Domb.
W. 3884 " *coquimbensis* Vogel
W. 5123 " *Closiana* Phil.
W. 4551 " *stipulacea* Aiton
W. 6144 " *hirsuta* L.
W. 3652 " *tomentosa* L. f.
W. 6112 " sp. fruit needed
W. 6122 " sp. " "
- W. 3703 One of the *Dalbergioids*. No fruit.
- M. 4328 *Tipuana tipu* (Benth.) Lillo
- M. 4331 *Bauhinia forficata* Link. var. *candicans* (Benth.) Hass.
- M. 4380 *Caesalpinia Gilliesii* (H. & A.) Hook.
- M. 4614 *Hoffmanseggia andina* Miers
W. 6284 " *falcaria* Cav.
M. 4006 " *viscosa* (R. & P.) H. & A.
M. 4177 " *gracilis* H. & A.
- M. 4364 *Zuebagnia punctata* Cav.
- M. 4377 *Cercidium australe* Johnston
W. 3576 ex " *praecox* (R. & P.) Harms
- M. 4004 *Caesalpinia spinosa* (Molina) Kuntze
M. 4048 " "
- W. 4696 *Sophora tetraptera* Aiton
W. 5111 " *macrocarpa* Smith
- M. 4147 *Crotalaria anagyroides* HBK.
W. 6169 " "
- G. 4593 *Lupinus microcarpus* Sims
W. 3768 " *eriodadus* Ulbr. ?
W. 3782 " "
W. 3639 " "
M. 4157 " "

Peruvian lupines are in terrible confusion and must be monographed before determinations can mean anything. I will give you a name but that is all it will be under the present circumstances.

- M. 4179 *Weberbauerella brongniartioides* Ulbr.
W. 6282 *Amicia andicola* (Griseb.) Harms
M. 4383 *Lathyrus macropus* Gillies
W. 4796 " *pterochaetos* Phil.
W. 4654 " "
W. 5144 *Vicia nigricans* H. & A.
W. 4784 " *apiculata* Phil.
W. 4895 " *acerosa* Clos
M. 4059 " *lomensis* Macbr.
W. 5151 *Adesmia resinosa* Phil.
W. 5181 " *phylloides* Clos
W. 4775 " *boronioides* Hook. f.
W. 3911 " *arbores* Bertero
W. 4711 " *retusa* Griseb.
W. 5104 " *propinqua* Clos
W. 6095 " *inflexa* Griseb. ?
W. 4748 " *quadrijuga* Phil.
W. 5090 " *radicifolia* Clos
W. 5091 " "
W. 6001 " "
M. 4008 *Vigna vexillata* (L.) A. Rich.
M. 4102 " "
W. 3677 *Phaseolus adenanthus* Meyer
W. 6116 *Centrosema virginianum* (L.) Benth.
M. 4278 " "
M. 4353 " "
W. 6115 *Cologania australis* Griseb.
M. 4281 *Galactia speciosa* (DC.) Benth.
M. 4120 " "
W. 6167 *Desmodium adscendens* (Sw.) DC. form with large flowers
W. 5167 *Anathrophyllum Cumingii* (H. & A.) Reiche
W. 6173 *Cracca heterantha* (Griseb.) Harms
W. 3970 *Psoralea lutea* Molina
W. 3774 " *lasiostachys* Vogel
W. 3661 *Parosela boliviana* (Britt.) Macbr. var. *Herreriae* Macbr.
W. 3749 *Apurimacia Michellii* (Rusby) Harms
W. 6070 *Astragalus Reichei* Speg.
W. 6069 " *flavocreatus* Johnston
W. 6096 " *unifolius* L'Herit.

PLUMBAGINACEAE

- W. 4747 *Statice andina* (Poepp.) Rendle
W. 3645 *Plumbago caerulea* HBK.

PRIMULACEAE

- W. 4955 *Anagallis alternifolia* Cav.
W. 4983 " " " var. *angustifolia* Phil.
W. 4835 *Lysimachium chilensis* (Griseb.) Pax.

GENTIANACEAE

- M. 4153 *Chelonanthus chelonoides* (L.) Gilg
M. 4130 *Gentiana prostrata* Haenke
W. 3726 " "

SAPOTACEAE

- W. 6147 *Bumelia excelsa* DC.

LOGANIACEAE

- W. 4871 *Desfontainea chilensis* Gay
W. 4834 " "
W. Buddleia *globosa* Lam. no. 4554
W. 6257 *Buddleia brasiliensis* Jacq.
M. 4314 *Buddleia* sp. no flowers nor fruit.

LABIATAE

- W. 3791 *Hyptis Tafallae* Benth
W. 6242 " *mutabilis* (Rich.) Briq.
M. 4279 " *odorata* Benth.
M. 4038 " sp.

- W. 5118 *Stachys Macraei* Benth.

- W. 3938a *Stachys* sp. (3938a)

- W. 3620 *Salvia tubiflora* Sm.
M. 4124 " *punctata* R. & P.
W. 3655 " *hastataefolia* Epling
M. 4061 " *macrophylla* Benth.
W. 3756 " "
W. 6175 " *Gilliesii* Benth.
M. 4389 " "
W. 6188 " "
M. 4017 " *rhombifolia* R. & P.

- M. 4123 *Satureia Pavoniana* Briq.
W. 3987 " *Gilliesii* (Graham) Briq.
W. 5134 " "
M. 4334 " *eugenoides* (Griseb.) Loesn.

- W. 6243 *Sphaecela aurifera* (Rusby) Epling
W. 4966 " *chamaedryoides* (Balbis) Briq.

- W. 4997 *Teucrium bicolor* Sm.
W. 3968 " "

- M. 4602 *Merrubium vulgare* L.

copy

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SCROPHULARIACEAE

- W. 5148 *Mimulus luteus* L.
W. 4960 " "
W. 4785 *Mimulus glabratus* HBK.
M. 4192 " "

W. 3905 *Alonsoa incisifolia* R. & P.
W. 4716 *Digitalis purpurea* L.
W. 3778 *Bartschia cineria* Diels
M. 4194 *Castilleja fissifolia* L., var. *pumila* Wedd.
W. 4810 *Euphrasia trifida* Poeppig
W. 3571 *Galvesia Ballii* Munz

W. 3610 *Veronica persica* Poir.
W. 4817 " *serpyllifolia* L.
M. 4162 " *texana* Scheele
M. 4058 " "
W. 3735 " *Anagallis-aquatica* L.

W. 3885 *Calceolaria ascendens* Lindl.
W. 3912 " "
W. 3938 " *pristiphylla* Phil
W. 4772 " *foliosa* Phil.?
W. 5248 " *flabellifolia* Kraenzl.
W. 4771 " *biflora* Lam.
W. 4734 " *scutifolia* Witasek
M. 4253 " n. sp.?
M. 4034 " *pinnata* L.
M. 4018 " "
M. 4392 " *pinifolia* Cav.
M. 4393 " *bellidifolia* Gillies
W. 6068 " *glacialis* Wedd.
W. 6245 " *teucrioides* Griseb.
W. 5127 " *polifolia* Hook.
W. 3982 " "
W. 6012 " *thrysiflora* Graham
W. 5142 " *purpurea* Graham
W. 4567 " *thrysiflora* Graham
W. 4974 " *violacea* Cav.
W. 4852 " *punctata* (R. & P.) Vahl
W. 5186 " *hypericina* Poeppig
W. 3995 " *viscosissima* Lindl.
W. 5066 " *integrifolia* L.
W. 4714 " *crenatiflora* Cav.
W. 4715 " *tenella* Poepp. & Endl.
W. 4910 " *montana* Wav.
W. 3733 " sp.
W. 3858 " sp.

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SOLANACEAE cont.

Vestia lycioides Willd. W. 4986

W. 6156 *Cestrum parqui* L'Herit.
M. 4356 " "
W. 3945 " "
M. 4092 " *auriculatum* R. & P.
M. 4037 " *hediundium* R. & P.
M. 4323 " mixture Mostly *C. Lorentzianum* Gris. Also some small branches of *C. pubens* Gri
latter with shorter leaves and more hairy leaves and calyces

M. 4047 *Acnistus umbellatus* (R. & P.) Miers
M. 4001 " "
W. 6146 " *parviflorus* Gris.
W. 6182 " *australis* Gris.

M. 4103 *Dunalia spathulata* (R. & P.) Br. & Aschers.
W. 3653 " *lycioides* Miers
W. 3745 " *obovata* (R. & P.) Dammer

M. 4345 *Lycium cestroides* Schlecht.
M. 4385 " *chilense* Miers

M. 4106 *Solanum lycioides* L. var. *tomentosa* Dunal
M. 4073 " sp. These wild potatoes are in a terrible mess
M. 4071 " sp. equals 4073 For the time being they are best left unnamed!
M. 4069 " sp.
M. 4013 " *phyllanthum* Cav.
M. 4054 " "
W. 3631 " n. sp.
M. 4118 " n. sp.
M. 4251 " sp.
W. 3704 " sp.
W. 3789 " *confine* Dunal
W. 3671 " *nutans* R. & P. ?
M. 4200 " *pulverulentum* Pers.
W. 3734 " *lycioides* L.
M. 4114 " *albidum* Dunal
M. 4315 " sp. no flowers nor fruit.
W. 6152 " *Hieronymi* Kuntze
M. 4330 " *subtilius* Bitter
M. 4341 " *argentinum* Bitter & Lillo
M. 4612 " *juncalense* Reiche
W. 3930 " *pinnatum* Cav. 2 sheets sent by mistake
W. 3955 " "
W. 4976 " *Maglia* Schlecht.
W. 5067 " *crispum* R. & P. *tupicum*
W. 4667 " *valdiviense* Dunal
W. 3866 " *Remyanum* Phil.
W. 3899 " *elaegnifolium* Cav.

M. 4077 *Lycopersicum peruvianum* (L.) Mill. *typicum*
W. 3600 " "

M. 4176 *Leptofeddea lomana* Diels (belongs to *Salpiglossis* sens. lat.)

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SOLANACEAE cont. 2

- M. 4335 *Nierembergia hippomanica* Miers
W. 5099 " *minima* (Molina) Johnston
W. 4949 " "
W. 4990 " "

W. 3981 *Schizanthus pinnatus* R. & P.
W. 5162 " *Hookeri* Gillies

W. 4984 *Salpiglossis sinuata* R. & P.

W. 3739 unrecognized. Possibly a *Capsicum* sp. Fruit needed.

CONVOLVULACEAE

- W. 5154 *Cuscuta chilensis* Ker. & Gawler
W. 3924 " "

M. 4091 *Ipomoea Kinbergi* Anders.
W. 3847 " *Pearceana* Kuntze
W. 6266 " *purpurea* (L.) Lam.

W. 6237 *Quamoclit lobata* (Cav.) House
W. 6165 " *coccinea* (L.) Moench

M. 4351 *Convolvulus montevidensis* Spreng.
W. 3950 " *dissectus* Cav.
W. 4917 " *Hermanniae* L'Her.

M. 4040 *Evolvulus villosus* R. & P.
W. 3612 " "

M. 4002 *Jacquemonyia secunda* (R. & P.) Choisy
3794
W. inadequate material. Probably an *Ipomoea* sp.

VERBENACEAE

- W. 3763 *Lantana rugulosa* HBK. ?
 W. 6134 " *micrantha* Briq.
 W. 6259 " *trifolia* L.
- W. 6285 *Lippia reptans* HBK.
 W. 3948 " *filiformis* Schrad.
 M. 4370 " *ligustrina* (Lag.) Britton
- W. 3793 *Duranta triacantha* Juss.
 W. 3644 " sp.
 W. 3643 " sp.
- W. 4553 *Rhaphithamnus cyanocarpus* Miers
 W. 4727 " "
- W. 6177 *Verbena inconcinna* Briq.
 M. 4170 " *fissa* Hayek
 M. 4372 " *erinoides* Lam., var. *glandulifera* Sanzin
 W. 3909 " *elaginoides* Kunth.
 W. 6281 " *chamaedrifolia* Juss.
 M. 4332 " "
- M. 4390 *Dipyrena glaberrima* Gill. & Hook.

NOLANACEAE

- W. 3867 *Nolana rupicola* Gaud.
 M. 4184 " *latipes* Johnston
 W. 3872 " *divaricata* Lindl.
 W. 3878 " *incana* (Phil.) Johnston
 W. 3927 " *Werdermannii* Johnston (Two sheets senet; one by mistake ?)
 W. 3958 " *crassulifolia* Poepp.
 W. 3861 " *peruviana* (Gaud.) Johnston
 W. 3871 " *aplocaryoides* (Gaud.) Johnston
 M. 4027 " *humifusa* (Gouan) Johnston
 M. 4182 " *Adansoni* (R. & S.) Johnston
- W. 3925 *Alona filifolia* (H. & A.) Johnston

SOLANACEAE

- M. 4398 *Physalis viscisa* L.
 W. 6166 " "
- W. 3719 *Salpichroa glandulosa* Miers
 M. 4198 " *hirsuta* Miers
 W. 3853 " *diffusa* Miers
- W. 3692 *Datura sanguinea* R. & P.
- M. 4132 *Nicandra physaloides* (L.) Gaertn.
 M. 4026 " " " No corollas. A very peculiar plant.
- M. 4623 *Jaborosa caulescens* Gill. & Hook.
- M. 4616 *Fabiana denudata* Miers.
 W. 5094 " *imbricata* R. & P.
 W. 4765 " "
 W. 5107 " "
 W. 6107 " sp.

Copied

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VIOLACEAE

- W. 4722 *Viola Buchtienii* Gand.
W. 4855 " *rubella* Cav.
W. 4962 " *capillaris* Pers.
W. 3992 " *Portalesia* Gay
W. 4902 " *Fluhmanni* Phil
W. 3727 " *nivalis* Benth.
M. 4171 " *Weberbaueri* Becker

Plantaginaceae

- W. 5076 *Plantago lanceolata* L.
W. 4841 " "
W. 6005 " *grandiflora* Meyen
W. 4956 " sp. { These 2 spp. of the sect. *Novo-orbis* cant be named. The section is
W. 5059 " sp. { in unbelievable confusion.

VALERIANACEAE

- W. 4965 *Valeriana crispa* R. & P.
W. 4713 " *valdiviana* Phil.
W. 4889 " *Hornschuhiana* Walp.?
W. 4809 " *lapathifolia* Vahl
W. 4908 " sp.? (no flowers nor fruit)
W. 4776 " *carnosa* Smith
W. 3728 " *rigida* Pers.

CALYCEACEAE

- M. 4626 *Boopis ventosa* (Meyen) Kuntze
W. 5249 " "
W. 4749 " *gracilis* Phil.

CAPRIFOLIACEAE

- M. 4305 *Viburnum Seemenii* Graeb.
M. 4273 " " " ., ~~var~~ forma *boliviana* (Gand.) Killip & Smith

ARISTOLOCHIACEAE

- M. 4288 *Aristolochia brasiliensis* Mart. & Zucc.
W. 3880 " *chilensis* Miers

AMARANTACEAE

- M. 4172 *Froelichia tomentosa* Moq. forma *nigra* Susseng.
W. 3784 *Iresine Celosia* L.
W. 6082 *Gomphrena Meyeniana* Walp.
W. 6108 " "
M. 4607 *Gomphrena punila* Gillies
M. 4064 *Alternanthera paniculata* HBK.
M. 4063 " "

POLYGONACEAE

- W. 5060 *Polygonum aviculare* L. var.
W. 6141 *Ruprechtia corylifolia* Griseb.
M. 4290 *Antigonon leptopus* H. & A.
M. 4257 *Muhlenbeckia vulcanica* (Benth) Endl.
W. 3830 " "
W. 4659 *Muhlenbeckia sagittifolia* Meisn.
W. 3922 *Muhlenbeckia hastulata* (Sm.) Johnston
W. 3932 " "
W. 3898 " "

CRUCIFERAE

- W. 4799 *Draba Gilliesii* H. & A.
W. 6103 *Descurainia Perkinsiana* Muschler

Capparidaceae

- M. 4163 *Cleome chilensis* DC.
M. 4334 *Atamisquea emarginata* Miers.
W. 3573 *Capparis avicenniifolia* HBK.
W. 3570 *Capparis scabra* HBK.
W. 3581 *Capparis crotonoides* HBK.

FUMARIACEAE & PAPAVERACEAE

- M. 4016 *Fumaria capreolata* L.
M. 4066 *Bocconia frutescens* L.
W. 3695 " "

URTICACEAE

- M. 4293 *Boehmeria fallax* Wedd.
M. 4133 *Trema micrantha* (L.) Blume
W. 4853 *Pilea elegans* Richard
W. 4864 *Urtica magellanica* Poir.

JUGLANDACEAE

- W. 6221 *Juglans australis* Griseb.

BETULACEAE

- W. 6238 *Alnus jorullensis* HBK.

THYMELIACEAE

- W. 4881 *Ovidia pillopillo* (Gay) Meisn.
W. 4733 " "

MYZODENDRACEAE

- W. 4912 *Myzodendron linearifolium* DC.

CONIFERS

- W. 4819 *Saxegothaea conspicua* Lindley
W. 4885 *Podocarpus nubigenus* Lindley
W. 3816 *Podocarpus glomeratus* Don

W. 6017a *Libocedrus chilensis* (Don) Endl.
W. 4741 " "
W. 4828 *Fitzroya cupressoides* (Molina) Johnston
W. 4827 *Libocedrus uvifera* (Don) Pilger

DIOSCOREACEAE

- W. 4923 *Dioscorea* sp. Cant name without leaves.

CYPERACEAE

- W. 4897 *Carex aphylla* Kunth
W. 4787 *Scirpus cernuus* Vahl.
W. 4999a " "
W. 5100 *Scirpus asper* Presl
W. 5075 *Scirpus nodosus* Rottb.
W. 4957 *Cyperus grammicus* Kunth
W. 4840 *Cyperus reflexus* Vahl
W. 3686 *Cyperus vegetus* Willd.
W. 6262 *Cyperus hermaphroditus* (Jacq.) Standl.
M. 4003 *Cyperus ferox* Rich.
W. 6275 *Cyperus cayennensis* (Lam.) Britton.
M. 4050 *Cyperus* sp.

IRIDACEAE

- W. 5156 *Sisyrinchium striatum* Sm.
W. 3990 " "
W. 4991 *Sisyrinchium* sp. Until this genus is monographed names for
W. 5121 " for species dont mean much in this genus.
W. 4798 " "
W. 5103 " "
G. 4587 " "
W. 3976 " "
W. 5244 " "
W. 3659 *Orthrosanthus Ocispunga* Ruiz
W. 6267 *Sphenostigma euryandra* (Griseb.) Baker
W. 4899 *Libertia elegans* Poepp.
W. 4653 " "
W. 4969 " " ?
W. 4950 *Alpphia pulchella* Sweet
W. 6283 *Alpphia* sp.? no flowers

LILIACEAE

- W. 3989 *Conanthera campanulata* Don
W. 3966 " "
W. 5072 " *bifolia* R. & P.
W. 3965 " "
M. 4187 *Nothoscordum andicola* Kunth
W. 5112 " *gramineum* (L.) Sims) Beauv.
W. 4838 " "
M. 3988 *Leucocoryne ixiioides* (Hook.) Lindl.
W. 4671 *Luzuriaga polyphylla* (Hook.) Macbrid
W. 4719 " *radicans* R. & P.
W. 4968 *Herreria stellata* R. & P.
W. 3963 *Pasithea caerulea* (R. & P.) Don
M. 4036 *Anthericum glaucum* R. & P.

GRAMINEAE

- W. 6003 *Hordeum comosum* Presl
M. 4373 *Stipa tenuissima* Trin.
W. 3869 *Stipa tortuosa* Desv.
W. 3881 *Stipa plumosa* Trin.
M. 4025 *Stipa ichu* (R. & P.) Kunth
W. 5088 *Aristida pallens* Cav.
W. 6275a *Aristida enodis* Hack.
M. 4173 *Aristida adscensionis* L.
M. 4070 *Paspalum racemosum* Lam.
W. 6246 *Paspalum malacophyllum* Trin.
W. 3603 *Paspalum penicillatum* Hook.f.
M. 4307 *Lasiacis ligulata* Hitchc. & Chase

W. 4964 *Briza maxima* L.
W. 4706 *Briza subaristata* Lam.
W. 5087 *Briza* "
W. 4686 *Poa* sp.
W. 5083 *Imperata brasiliensis* Trin.
W. 5152 *Agrostis* sp. glumes only, no palea
M. 4014 *Festuca australis* Nees
M. 4391 *Melica* sp.
M. 4169 *Eragrostis peruviana* (Jacq.) Trin.
W. 6186 *Cottea pappophoroides* Kunth.
W. 3882 *Avena barbata* Brot.
W. 4952 *Gastridium ventricosum* (Gouan) Sch. & Thell.

W. 4878 *Danthonia chilensis* Desv.
M. 4298 *Chusquea serrulata* Pilger
W. 5189 *Chusquea Quila* Molina
W. 4560 " " "

COMMELINACEAE

- W. 3619 *Commelina hispida* R. & P.
M. 4021 *Commelina* sp.
W. 6151 *Tradescantis ambigua* Mart.

JUNCACEAE

- W. 4373 *Juncus cyperoides* Laharpe
W. 4849 *Juncus planifolius* R. Br.
W. 3685 *Juncus imbricatus* Laharpe
W. 5000 *Juncus microcephalus* HBK.
W. 4807 *Marsippospermum Philippi* (Buchen.) Hauman

EPHEDRACEAE

- G. 4592 *Ephedra chilensis* Miers
W. 5038 *Ephedra chilensis* Miers
W. 4769 *Ephedra andina* Poepp.

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MAGNOLIACEAE

- W. 5117 Drymis Winteri Forst
W. 4730 " "
W. 4900 " "

CINNONIACEAE

- W. 4682 Calceoluvia paniculata Don

W. 4679 Weinmannia trichosperma Cav.
M. 4270 " spiciformis Engler

OXALIDACEAE

- W. 6111 Oxalis sp.
M. 4608 Oxalis muscoides Phil.
W. 3856 Oxalis megalorrhiza Jacq. ?
M. 4012 Oxalis megalorrhiza Jacq. typica
M. 3983 Oxalis sp. no leaves An interesting plant; send all your material
M. 6021 Oxalis polyantha Walp. no. 6011
W. 5153 " "
W. 5114 Oxalis valdiviensis Barn.
W. 4894 " "
W. 5188 Oxalis rosea Jacq.

TROPAEOLACEAE

- W. 3687 Tropaeolum peregrinum L.
W. 3994 " ciliatum R. & P.
W. 5245 " polyphyllum Cav.

ERYTHROXYLACEAE

- M. 4274 Erythroxylum coca Lam.

GERANIACEAE

- M. 4078 Geranium Limae Knuth
W. 6072 " sessiliflorum Cav. var.
W. 4795 " " var. typicum

W. 5157 Viviania rosea (Hook.) Klotz.

W. 6098 Balbisia Meyeniana Klotz.

MYZODENDRACEAE cont.

- W. 4712 Myzodendron oblongifolium DC
W. 4677 " punctulatum Banks & Sol.

LORANTHACEAE

- W. 4879 Lepidoceras Kingii Hook.f.
W. 3683 Phorodendron
W. 3902 Phrygelanthus aphyllus (Miers)
W. 3577 " sp.
W. 4887 " heterophyllus (R. & P.) Eichl.
W. 5129 " tetrandrus (R. & P.) Eichl.
W. 6270 " cuneifolius (R. & P.) Eichl.

SANTALACEAE

- M. 4605 Arjona ruscifolia Poepp.
W. 3977 Quinchamalium chilense Molina
W. 4753 " "
W. 4892 " "

FAGACEAE

- W. 5115 Nothofagus sp.?
W. 4842 Nothofagus obliqua (Mirbel) Blume var. macrocarpa (DC) Reiche
W. 4791 " antarctica (Forst.) Oerst.
W. 4773 " Dombeyi (Mirbel) Blume
W. 4790 " Pumilio (Poepp & Endl.) Krauss.

MENISPERMACEAE

- M. 4275 Cissampelos tropaeolifolia DC.

Monimiaceae

- W. 3953 Peumus Boldus Molina

LAURACEAE

- W. 5195 Cryptocarya rubra (Molina) Skeels

PORTULACAEAE

- W. 6127 Portulaca sp. (2 plants sent, one with tuberculate seeds, one with non-tuberculate seeds; this is very interesting since species of portulaca are distinguished on such seed differences. I can not believe that more than one species is represented in the plants before me!)
- W. 6190 Portulaca sp.
W. 6135 Portulaca plano-operculata Kuntze
W. 6232 Talinum paniculatum (Jacq.) Gaertn.
W. 6191 Talinum polygaloides Gillies
W. 3859 Silvea pachyphylla Ph. forma
W. 5169 Calandrinia picta Gillies
W. 3868 Calandrinia taltalensis Johnston
W. 3959 Calandrinia glauca Schrad.
W. 4574 Calandrinia glauca Schrad
W. 6006 Calandrinia denticulata Gillies
W. 5095 Calandrinia umbellata (R. & P.) DC.
W. 6081 Calandrinia acaulis HBK.
W. 5168 Calandrinia sericea H. & A.

RANUNCULACEAE

- W. 6273 *Ranunculus argemonefolius* Griseb.
 W. 4786 " *peduncularis* Sm.
 W. 4673 " "
 M. 4186 " *Cymbalaria* Pursh
 M. 4082 *Clematis* sp. sterile
 W. 6269 " *sericea* HBK.
 M. 4360 " *campestris* St. Hil.
 W. 6234 " *Hilarii* Spreng.
 M. 4320 " "
 M. 4325 " "
 W. 4781 *Anemone multifida* Poir.
 W. 4882 " *hepaticifolia* Hook.
 W. 3657 " *integrifolia* HBK.

CHLORANTHACEAE

- M. 4300 *Hedyosmum* sp.

PIPERACEAE

- M. 4053 *Peperomia*
 W. 6236 "
 W. 3621 "
 M. 4113 *Piper*
 M. 4105 "
 M. 4287 "
 M. 4294 "
 M. 4304 "
 M. 4306 "
 M/ 4140 "

The Piperaceae have been so atrociously messed up by the thoroughly absurd, ~~very very very~~ mistreatment given it by that so-called botanist Trelease, that names that mean any thing simply can not be given the species untill some sane worker puts the nomenclature and taxonomy of the family back in some sensible and practicable order. I can send these pipers to Trelease who will ~~give~~ indicate that fully three-fourths of them are new species but will probably never get around to publishing them. In any case his names will have about as much meaning as the collectors number on the label. I say leave the specimens undetermined.

PROTEACEAE

- W. 4658 *Guevinia avellana* Molina
 M. 4117 *Roupala monosperma* (R. & P.) Johnston
 W. 4662 *Embothrium coccineum* Forst.
 M. 4119 " *grandiflorum* Lam.
 W. 4732 *Lomatia obliqua* R.Br.
 W. 5183 " *dentata* R. Br.
 W. 4977 " "
 W. 4867 " *ferruginea* R.Br.

GA

76

SAXIFRAGACEAE

- W. 3788 Escallonia Herrerae Mattf.
W. 5159 Escallonia Carmelita Meyen
W. 4870 Escallonia leucantha Remy
W. 3985 Escallonia rubra (R. & P.) Pers.
W. 5200 Escallonia ilinita Presl
M. 4096 Escallonia pendula (R. & P.) Pers.
W. 4704 Escallonia macrantha H. & A.
W. 4987 Escallonia pulverulenta (R. & P.) Pers.
W. 5126 " " var. glabra Engler
W. 4557 " " "
W. 3650 Escallonia resinosa (R. & P.) Pers.
W. 4907 Escallonia virgata Pers.

W. 4844 Francoa sonchifolia Cav.
W. 4998 " "

W. 4851 Valdivia Gayana Remy

ROSACEAE

- W. 3746 Prunus Capuli Cav.
W. 5116 Fragaria chilensis (L.) Duchesne
W. 4660 " "
W. 4943 Acaena trifida R. & P. var. nanodes Bitter
W. 4764 Acaena sterile
W. 4600 Acaena ovalifolia R. & P.
W. 4779 Acaena pinnatifida R. & P.
W. 4794 Acaena integerrima Gillies
W. 4751 " "
W. 4783 " "
W. 4663 Geum Quellyon Sweet
W. 5108 " "
W. 4723 Rubus geoides Smith
W. 3786 Rubus
W. 3823 Rubus nubigenus HBK.
W. 3831 Rubus urticaefolius Poir.
W. 3787 Polylepis incana HBK.
W. 6110 Polylepis tomentella Wedd.
W. 5065 Margyricarpus setosus R. & P. var.
M. 4606 Tetraglochin n. sp.
W. 6086 Margyricarpus cristatus Britton
W. 3854 " "
W. 5140 Kageneckia oblonga R. & P.
W. 4580 Quillaja seponaria Molina
W. 5086 " "

SAXIFRAGACEAE cont.

- W. 4810a Ribes magellanicum Poir.
W. 4721 " "
M. 4199 Ribes material inadequate
W. 3819 Ribes macrobotrys R. & P.
W. 5137 Ribes punctatum R. & P.
W. 4929 (a mixture) hairy plant with fruit Ribes collinum Phil.
paler sterile plant Ribes punctatum R. & P.

copy

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ORCHIDACEAE det. by Schweinfurth and deposited in the Ames Orchid Herbarium

- W. 5084 *Chloraea chlorosticta* Phil. aff.
mixed with (5084a) *C. semibarbata* Lindl. aff.
W. 4668 *Chloraea* sp.
W. 3999 *Chloraea Reicheana* Kränzl. ex char.
W. 3974 *Chloraea ulanthoides* Lindl.
W. 4797 *Chloraea ferruginea* Speg. & Kränzl. ex char.
W. 4774 *Asarca odoratissima* Poepp. & Endl.
W. 3824 *Spiranthes matucanensis* Kränzl. aff.
W. 3817 *Oncidium aureum* Lindl.

W 7091 *Fuchsia Sanctae-Rosae* Kuntze
W. 6414

unim W. 7106 *Fuchsia Mattoana* Krause

M. 4406 *Fuchsia megallanica* Lam.

W. 7110 *Fuchsia boliviana* Carr.

W. 6462

W. 7113 *Fuchsia macrophylla* Johnston

W. 7092 *Fuchsia tinctoria* sp. nov.

7094 W. ~~Fuchsia~~ *chloroloba* sp. nov.

W. 7083 *Fuchsia austromontana* sp. nov.

W. 7093 →

another n. sp.

numbers previously reported upon and now restudied. and named anew.

3705 *Fuchsia platypetala* sp. nov.

4589 *Fuchsia magellanica* Lam. var. *Molinae* Espinosa

4846

The other *Fuchsias* are correctly named as previously reported.

W. 6423 *Calceolaria flexuosa* R. & P.

W. 8332 *Calceolaria teucrioides* Griseb.

W. 7042 *Calceolaria saxatilis* HBK.

W. 7082 " " "

W. 6428 *Calceolaria tomentosa* R. & P.

unim W. 8114 *Calceolaria deflexa* R. & P.

W. 7001 *Calceolaria diversifolia* Kraenzl.

W. 6395 *Calceolaria bartsiaefolia* Wedd. *typica*

W. 6360 " " "

W. 8229 *Calceolaria ~~santolin~~ santolinoides* Kraenzl.

W. 7107 *Calceolaria* n. sp. 1

W. 8095 *Calceolaria* ~~80~~ n. sp. 2

W. 8168 *Calceolaria* n. sp. 3

M. 4253 *Calceolaria* n. sp. 4 (previously reported)

W. 3733 *Calceolaria Engleriana* Kraenzl. ?

W. 3858 " ?

W. 7002 " ?

W. 7095 *Calceolaria* sp. I cant place this and the material is too poor to describe.

W. 6421 *Calceolaria* sp. This belongs is a particularly confused group.

W. 8333 *Calceolaria* sp.

4513 *C. pilosiphula* n. sp.

BORAGINACEAE

- W. 8174 *Lithospermum Macbridei* Johnston
- W. 8403 *Scaevola lanceolata* H. & B.
- W. 8426 *Heliotropium tiaridioides* Cham.
- W. 8431 *Heliotropium procumbens* Miller
- W. 8302 *Heliotropium amplexicaule* Vahl.
- W. 8242 " "
- W. 8206 *Heliotropium arborescens* L. var. *grisellum* Johnston

EUPHORBIACEAE (determined by L. C. Wheeler)

- W. 7140 *Jatropha macranthus* Muell. Arg.
- W. 8391 *Jatropha flavovirens* Pax ' Hoffm.
- W. 8027 *Euphorbia Poeppigii* Boiss.
- W. 6322 *Euphorbia chilensis* Gay
- W. 8446 *Euphorbia Berteriana* Balbis
- W. 8390 *Acalypha communis* Muell. Arg. ?
- W. 8266 *Acalypha communis* var. *intermedia* Muell. Arg.
- W. 8398 *Cnidoscolus vitifolius* (Mill.) Pohl. var. *repandus* Griseb.
- W. 6464 *Julocroton triqueter* Baillon
- W. 8263 *Croton heteroneurus* Muell. Arg.
- W. 8268 *Croton saltensis* Griseb.
- W. 8370 " "
- W. 8369 " " ?
- W. 8368 " " ?
- W. 8415 *Croton lobatus* L.
- W. 8296 *Croton rhamnifolius* HBK. var.
- W. 6171 *Euphorbia Hinkleyorum* Johnston

BROMELIACEAE determined by L. B. Smith

"Most of the specimens are poor"

- 6467 *Pitcairnia ferruginea* R. & P.
 6494 " "
 7105 ? "
 8111 *Pitcairnia pungens* HBK.
 7101 *Pitcairnia* sp.
 8450 *Vriesia* sp.
 8177 *Puya* sp.
 6469 "
 7032 "
 8041 "
 6479 "
 8323 "
 8345 "
 8353 "
 8155 " a mixture of two species
 7128 *Pitcairnia* sp.
 8386 *Deuterocohnia* sp.

SCROPHULARIACEAE (exclusive of Calceolaria)

- W. 6497 *Bartsia inaequalis* Benth
 W. 6394 *Bartsia Meteniana* Benth.
 W. 6328 *Bartsia hispida* Benth.
 W. 8117 *Castilleja fissifolia* L. var. *pumila* Wedd.
 W. 8037 *Castilleja communis* Benth
 W. 7131 *Gerardia lanceolata* (R. & P.) Benth
 W. 6417 " "
 W. 8347 *Gerardia Fiebrigii* Diels
 W. 8005 *Scoparia dulcis* L
 W. 8340 *Mimulus glabratus* HBK.
 W. 8204 *Alonsoa acutifolia* R. & P.
 W. 6478 *Alonsoa acutifolia* R. & P.
 W. 8102 *Alonsoa linearifolia* Steud.

VERBENACEAE

- W. 8275 *Verbena chamaedrifolia* Juss.
 W. 8202 *Verbena fissa* Hayek
 W. 8190 *Verbena litoralis* HBK.
 W. 8281 *Verbena officinalis* L. var. *gracilescens* Cham.
 W. 8371 *Lantana canescens* HBK.
 W. 8001 *Duranta repens* L.
 W. 8165 *Duranta Mutisii* L.f.
 W. 3793 " " (previous determination incorrect)
 W. 8183 *Duranta* sp.?? no flowers nor fruit
 W. 6301 *Lippia hastulata* (Griseb.) Hieron.
 W. 8440 *Lippia ligustrina* (Lag.) Britt.
 W. 6353 *Verbena microphylla* HBK.
 W. 6344 *Verbena aspera* Gill. & Hook. var.
 W. 8115 *Verbena laciniata* (L.) Briq.

27 37
Copy

CONVOLVULACEAE

- W. 8291 *Evolvulus sericeus* Sw.
W. 7023 *Ipomoea fruticosa* Kuntze ?
W. 8002 *Quamoclit coccinea* (L.) Moench
W. 6412 *Convolvulus Hermanniae* l'Herit. forma
W. 8106 *Evolvulus* sp.
W. 6346 *Evolvulus sericeus* Sw.
W. 6306 *Evolvulus sericeus* Sw. var. *falcatus* (Griseb.) v. Postr.

HYDROPHYLLACEAE

- W. 8342 *Phacelia pinnata* (R. & P.) Macbr. de
W. 8327 *Phacelia pinnatifida* Griseb.

POLEMONIACEAE

- W. 7139 *Huthia caerulea* Brand

SOLANACEAE

- W. 8270 Nierembergia minima (Molina) Jtn.
W. 8239 Lycopersicum peruvianum (L.) Miller
W. 8007 L. esculentum Miller, var.
W. 8193 Hebecladus
W. 8248 Salpichroa rhomboides Miers var.
W. 6358 S. sp. perhaps S. diffusa Miers but no flowers collected
W. 8127 S. Weberbaueri Dammer (no. 3719 is also this species)
W. 7086 Poecilochroma punctata (R. & P.) Miers
W. 8162 Poecilochroma sp.
W. 8192 Acnistus multiflorus Dammer
W. 8166 Dunalia obovata (R. & P.) Dammer
W. 8286 Acnistus australis Griseb.
W. 6372 Jaborosa crispa (Dun.) B. & H.
W. 8023 Physalis peruviana L.
W. 8447 Physalis angulata L.
W. 8247 Physalis viscosa L.
W. 8032 Nicandra physaloides (L.) Gaertn.
W. 8259 Datura Stramonium L.
W. 7124 Datura suaveolens HBK.?
W. 8246 Cestrum pubens Griseb.
W. 8307 ~~Cestrum~~ Lycium cestroides Schl.
W. 8425 " "

MYRCINACEAE

- W. 7127 Rapanea ferruginea (R. & P.) Mey.

Gentianaceae

- W. 7129 Chelonanthus acutangulus (R. & P.) Gilg
W. 8120 Gentiana sp.
W. 8144 Gentiana sp.
W. 8137 Gentiana sp.
W. 7052 Gentiana exacoides Gilg
W. 6499 " "
W. 7169 Gentiana sedifolia HBK.
W. 6376 " "
W. 7031 " "
W. 6498 Halenia umbellata (R. & P.) Gilg
W. 7028 " "

ASCLEPIADACEAE

- W. 8458 Macroscelis aurea Fourn.??
W. 8078 Philabertia sp.
W. 8253 Morrenia odorata (H. & A.) Lindl.
W. 8234 Lugonia lysimachioides Wedd.
W. 8443 Funastrum gracile (H. & A.) Schl.
W. 8264 Mitostigma boliviense Schl.
W. 8325 Mitostigma latiflorum Griseb.

APOCYNACEAE

- W. 8258 Mandebilla laxa (R. & P.) Woodson
W. 8374 Vallesia glabra Cav.

LOGANIACEAE

- W. 8260 Buddleia Urbaniana Kraenzl.
W. 8367 B brasiliensis Jacq.

C 7/37

copy

Oct. 1937

Calceolaria

W. 3733 *C. Engleriana* Kraenzlin !
 W. 3858 "
 W. 7002 "

Report on garden cultures

- 36.1186 equals number 3912 *C. ascendens*
 36.1559 no. 3938 *C. pristophylla* Ph.
 36.1302 no. 4513 *C. petrophilla* n. sp. This is conspecific with W. 4513.
 36.1507 4550 *C. pinnata* L. A seed collection only.
 36.1316 4582 *C. corymbosa* R. & P. A seed collection only.
 36.1589 4772 *C. tigris* n. sp. (the photo proves this not *C. foliosa*)
 36.1356 5142 *C. purpurea*
 36.1623 this garden material is clearly *C. campanae* Phil.
 no. 5186 is clearly *C. hypericinum* as previously reported.
 36.1388 equals no. 5227 *C. corymbosa* R. & P. (seed collection only).
 36.1466 6245 *C. teucrioides* Gris.
 36.1846 6395 *C. bartsiaefolia* Wedd.
 36.1783 6428 *C. tomentosa* R. & P.
 36.1830 7001 *C. myriophylla* Kraenzl. Your garden cultures show that the *C. diversifolia* Kr. is only a phase of *C. myriophylla*.
 36.1909 This is *C. chelidonioides* HBK. It is very different from the wild plant, no. 7107, from which it is said to have been grown. However these aquatic species are extremely variable and I am not disinclined towards believing that seeds from W. 7107 could make the protean change into the cultured plant you send as no. 36.1909. Could this be proved as so then a dozen or more so called species would be open to suspicion. No label was sent to accompany the cultured plant 36.1909
 36.1400 equals no. 5248 I think you had best reject *C. flabellifolia* for this. This plant of the upper Aconcagua is *C. andicola* Jellies Bot Mag. 1. 2805 and I advise that you take up this name.

Please note that there has been obvious confusion as regards the correlation of no. 5186 with 36.1623. I do not question the geographic source given on the label of 36.1623. *C. campanae* is a very distinct species endemic where 36.1623 is given as having been collected.

(March 1938)

BIGNONIACEAE

- 8361 *Amphilophium paniculatum* (L.) HBK.
8364 *Pithecoctenium cynanchoides* DC.

ACANTHACEAE

- 8404 *Ruellia ventricosa* HBK.
8008 " "
8394 *Ruellia Lorentziana* Griseb.
8362 " "
8395 *Ruellia nudiflora* (Engelm. & Gray) Urban var. (*R. macrosolen* Lillo)
7112 *Ruellia pedunculosa* R. & P.
8363 *Justicia nemoralis* Lillo
8407 *Stenandrium mandiocanum* Nees
6442 *Justicia* sp.

RUBIACEAE

- 8310 *Richardia brasiliensis* Gomez
8277 *Borreria brachystemonoides* C. & S.
6303 " "
8221 *Mitracarpus brevis* K. Schum.
6411 *Relbunium hypocarpium* (L.) Hemsl.
7166 *Relbunium ciliatum* (R. & P.) Hemsl.
7178 *Arcytophyllum thymifolium* (R. & P.) Stanley
8090 " *Riveti* Dang. & Cherm.
8360 *Manettia cordifolia* Mart.
8261 *Pogonopus tubulosus* (DC.) K. Schum.
7077 *Psychotria* sp.
8441 *Coutarea hexandra* (Jacq.) K. Schum.

PLANTAGINACEAE

- 8038 *Plantago hirtella* HBK.
8157 *Plantago monticola* DCne/

LOBELIACEAE

- 7044 *Lobelia tenera* HBK.
3798 *Siphocampylos Frauseanus* Wimm.
6439 *Siphocampylos* sp.
7045 *Siphocampylos Elfriedi* Wimm.
6460 *Siphocampylos dependens* (R. & P.) Don var. *undulatus* Wimm.
8043 " " " "

CUCURBITACEAE

- 6458 *Cayaponia citrullifolia* (Griseb.) Cogn.
8434 " " var. *breviloba* Griseb.

COMPOSITAE

- 8262 *Stevia* sp. { This genus is impossible! The only person who knew
8308 " anything about it is dead. That was the lat. curator of t
6317 " the Gray Herb. Even with his critically named and
6307 " extensive herbarium representation of the genus I
8328 " hesitate to name any of these plants without spending
8326 " some weeks on them.
8316 " }
8039 *Eupatorium beneolens* Robins.
6327 *Eupatorium Lorentzii* Hieron.
8428 *Eupatorium hecatantum* (DC.) Baker
8021 *Ageratum conyzoides* L.
8026 *Ophryosporus piquerioides* (DC.) Benth.
8019 *Vernonia cotaniensis* Hieron. These get to be trees and vines but
8321 *Vernonia Kuntzei* Hieron. I also doubt if it could have reached
10 m.

(March 1938)

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Duphoul

CORIARIACEAE

W. 7085 *Coriaria thymifolia* Willd.

ANACARDIACEAE

W. 8437 *Schinopsis Lorentzii* (Gris.) Engler

W. 8075 *Schinus Pearcei* Engler

W. 8076 *Schinus molle* L.

MELIACEAE

W. 8454 *Cedrela fissilis* Vell. var. *macrocarpa* C.DC. ?

MALPIGHIACEAE

W. 7191 *Banisteria cristata* Griseb.

W. 7196 *Heteropterys macrostachya* Juss. forma *transiens* Niedenz. ?

W. 6466 *Stigmatophyllon megacarpon* Griseb.

POLYGALIACEAE

W. 6430 *Monnina crotalarioides* DC.

W. 8125 *Monnina* sp.

W. 7036 *Monnina pachycoma* Chodat

W. 7071 *Monnina* sp.

LEGUMINOSAE

W. 8283 genus not recognized

W. 8449 " " "

W. 8006 " " "

W. 6389 *Lupinus* sp.

W. 6461 *Lupinus* sp.

W. 8529 *Lupinus* sp.

W. 8385 *Cologania australis* Griseb.

W. 6415 *Galactia speciosa* DC.

W. 7199 *Phaseolus adenanthus* Meyer

W. 8355 *Vicia graminea* Sm.

W. 8420 *Poissonia hyoleuca* (Speg.) Lillo

W. 8100 *Indigofera humilis* HBK.

W. 6504 *Dalea Hofstenii* Fries

W. 8405 *Cracca caribaea* (Jacq.) Benth

W. 8402 *Tipuana tipu* (Benth) Lill.

W. 8435 *Missolia fruticosa* Jacq.

W. 8303 *Zornia dihylla* (L.) Pers.

W. 7116 *Lucuma rostrata* Benth

W. 7175 *Acaesmia miraflorensis* Remy

W. 6310 *Acaesmia* sp.

W. 6415 *Crotalaria incana* L.

W. 6420 *Crotalaria nitens* HBK.

W. 8456 *Caesalpinia melanocarpa* Griseb.

W. 6321 *Caesalpinia pumilio* Griseb.

W. 6347 *Hoffmanseggia Doellii* Phil

W. 8456 *Gleditschia amorphioides* (Griseb.) Taub.

W. 8304 *Cassia bicapsularis* L. (equals no. 6128)

EUPHORBIACEAE

W. 8427 *Phyllanthus brasiliense* (Aubl.) Poir

GERANIACEAE

W. 6335 *Geranium sessiliflorum* Cav.

LINACEAE

W. 8169 *Linum filiforme* Urb.

ZYGOPHYLLACEAE

W. 8220 *Kallstroemia boliviense* Stan ley

OXALIDACEAE - cont.

W. 8343 *Hypseocharis pimpinellifolia* Remy, forma

W. 8315 " " "

W. 6352 " " "

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det. at Gray Herb. by I.M. Johnston (March 1938)

COMPOSITAE

- 8453 *Aster exilis* Ell.
7049 *Erigeron hieracioides* Wedd.
7035 *Diplostegium Haenkei* (DC.) Wedd.
8225 *Gutierrezia Gilliesii* Griseb. var. *scabriuscula* Griseb.
6330 " " "
6094 " 2 " " (correction)
7138 *Lepidophyllum quadrangulare* (Meyen) B.&H.
8430 *Pluchea suaveolens* (Vell.) Ktze.
8136 *Loricaria ferruginea* (R. & P.) Wedd.
7165 *Lucella* sp.
7040 *Gnaphalium* sp.
6391 *Achyrocline ramosissima* (Sch. Bip.) Britton
8337 " *satureoides* DC. var.
7061 *Baccharis genistelloides* (Lam.) Pers.
7163 *Baccharis aplina* HBK.
7177 *Baccharis alpina* HBK. ?
8004 *Baccharis medullosa* DC.
8269 *Baccharis dracunculifolia* DC.
M. 4403 *Madia sativa* Molina
8373 *Parthenium hysterophorus* L.
8009 *Porophyllum ruderale* (Jacq.) Cass.
8210 *Cephalophora aromatica* Schrad.
8197 *Spilanthes urens* Jacq. var. *hispidula* DC.
8223 *Bidens triplinervia* HBK.
6342 *Bidens triplinervia* var. *macrantha* (Wedd.) Sherff.
8222 " " "
8224 " " "
8133 *Coreopsis fasciculata* Wedd.
8348 *Cosmos peucedanifolius* Wedd.
8200 *Viguiera Weberbaueri* Blake
6318 *Flourensia Fiebrigii* Blake
8372 *Verbesina australe* Baker
8289 *Verbesina flavovirens* Fries
8265 *Aspilia aurantiaca* Griseb.
8306 *Sanvitalia versicolor* Griseb.

Orchidaceae (determine by Mr. Schweinfurth)

- 8018 *Bletia catemulata* R.&P.
6470 " "
6426 *Epidendrum xytriophorum* Reichenb. & Wazsc.
7059 *Epidendrum integrilabium* A. & S.
6449 *Masdevallia Veitchiana* Reichenb.
7064 *Pleurothallis macrorhiza* Lindl. aff. (fruit only)
8024 *Sobralia Mandonii* Reichenb.

7062 *Onidium aureum* Lindl.

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Duplicate

MALVACEAE

- W. 6424 *Abutilon arboreum* (L.) Sweet (equals W. 3755)
W. 8040 *Abutilon sylvaticum* (Cav.) Schum.
W. 6350 *Malvastrum tenellum* (Cav.) Hieron.
W. 8433 *Malvastrum coromandelianum* (L.) Garcke
W. 6362 *Nototriche anthemidifolia* (Remy) Hill
W. 8199 *Malva dissecta* Benth.
W. 8081 *Gossypium peruvianum* Cav.
W. 8272 *Favonia glechomoides* St. Hil.
W. 8396 *Cienfuegosia argentina* Guercke

TILIACEAE

- 6473 W. *Triumfetta acuminata* HBK
W. 8444 *Corchorus hirtus* L.

BOMBACACEAE

- W. 8358 *Chorisia insignis* HBK.

STERCULIACEAE

- W. 8195 *Waltheria ovata* Cav.

SARINACEAE

- W. 8397 *Serjania glabrata* HBK. var. ? (no fruit)
W. 7197 *Serjania* sp.

GUTTIFERAE

- W. 8112 *Hypericum laricifolium* Juss.
W. 8172 *Hypericum uliginosum* HBK.

BEGONIACEAE

- W. 8413 *Begonia* sp. (sp. no. 1) This genus can not be named in America.
W. 8322 *Begonia* sp. no. 2) One must see the types at Geneva, Berlin
W. 8155 *Begonia* sp. no. 3) and Kew.
W. 8313 *Begonia* sp. no. 4)
W. 8330 *Begonia* sp. no. 5 (same as 8313 and 8344)
W. 6416 *Begonia* s.
W. 8025 *Begonia Clarkei* Hook. f.
W. 6440 *Begonia* sp.

ROSACEAE

- W. 8172 *Osteomeles ferruginea* HBK.
W. 8191 *Osteomeles obtusifolia* Lindl.
W. 8053 *Folylepis incana* HBK. var.
W. 8187 *Aichmilla vulcanica* C. & S. (det. Lily Perry)

Lythraceae

- W. 8086 *Cuphea ciliata* R. & P.
W. 6441 *Cuphea ciliata* R. & P.
W. 8282 *Cuphea merostemon* Koehne
W. 8284 *Cuphea glutinosa* C. & S.

LOASACEAE

- W. 8017 *Mentzelia Fendleriana* Urb. & Gilg.
W. 811 *Cajophora lateritia* Klotz.
W. 6386 *Cajophora horrida* Urb. & Gilg
8349 W. *Cajophora* n. sp. a
W. 8236 *Cajophora* n. sp. b

VIOLACEAE

- W. 7030 *Viola pygmaea* Juss.
W. 8148 *Viola pygmaea* Juss.

OXALIDACEAE

- W. 7063 *Oxalis dolichoroda* Piels
W. 6371 *Oxalis br. viranulosa* Rusby
W. 7054 *Oxalis pubescens* H. K.
W. 8414 *Oxalis Venturiana* Knuth
W. 8407a *Oxalis Venturiana* Knuth
W. 7053 *Oxalis pubescens* HBK.
W. 8093 *Oxalis* sp.

Copy
ERICACEAE

- W. 6434 *Disterigma alaternoides* (HBK.) Niedenz.
W. 7079 " *pernettyoides* (Griseb.) Niedenz.
W. 7056 *Cavendishia Beckmanniana* Hoer.
W. 7078 *Ceratostema spectabilis* Rusby
W. 7076 " *Graebnerianum* Hoer.
W. 7047 *Siphonandra elliptica* (R.&P.) Klotz.
W. 6437 *Thibaudia regularis* A. Smith topotype
W. 8030 " " "
W. 7030 *Befaria lauca* H.&B. var. *coarctata* (H.&B.) Mansf. & Sleumer
W. 6438 " " "
W. 6431 *Clethra ferruginea* R. & P.
W. 7027 *Pernettya prostrata* (Cav.) Sleumer
var. *Pentlandii* (DC.) Sleumer
(3780) " " " (a correction)
W. 8161 " " "
W. 8160 " " "
W. 6438 *Vaccinium floribundum* HBK. var. *marginatum* (Dunal) Sleumer
W. 8146 " " var. *Tatei* (Rusby) Sleumer
W. 7033 " " " typical form
(no. 7033 is a mixture of the above *Vaccinium* and a *Gaultheria*
the latter has leaves veined and hairy beneath and is 7033a)
W. 8099 *Gaultheria brachybotrys* DC.
W. 8098 " " "
(W. 3779) " " (new identification)
W. 7087 " *glabra* C
W. 6433 " "
W. 7033a *Gaultheria* sp. A (this species has been frequently collected
in sp. Peru and Bolivia and has passed as
C. conferta which it is certainly not. I
want to get advice of specialists on the form.
W. 7080 " sp. A
W. 7065 " sp. A
W. 7058 " sp. A
W. 7070 *Gaultheria* sp. B A species that has been collected before but
I can not decide on its proper name.

Haloragidaceae

- W. 8324 *Gunnera tarijensis* n. sp.
W. 7090 *Gunnera Margaretae* Schindler

UMBELLIFERAE

- W. 8205 *Ammi Visnaga* (L.) Lam
W. 8074 *Eremocharis triradiata* (Wolff) Jtn
W. 6375 *Oreomyrrhis andicola* (Lag.) Endl.
W. 6378 *Azorella diapiensioides* Gray ?
W. 7167 *Azorella multifida* (R.&P.) Pers.
W. 8034 *Hydrocotyle acutifolia* R. & P.
W. 6334 *Bowlesia incana* R.&P.

LOGANIACEAE

- W. 8418 *Spigelia scabra* C.S.

MYRTACEAE

- 8012 genus uncertain: this belongs to the Argentine group of myrtas which
are in complete confusion. They need revision!
W. 7055 *Myrteola microphylla* (H.&B.) Berg

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determinations by I. I. Johnston

Copy
COMPOSITAE

- W. 7135 Chuquiraga rotundifolia Wedd.
W. 6312 Gochnatia glutinosa Don
W. 8399 Cnicothamnus Lorentzii Griseb.
W. 8240 Onoseris odorata (R. & P.) H. & A.
W. 8218 Trichocline auriculata (Wedd.) Hieron.
W. 6351 " "
W. 6396 Mutisia viciaefolia Cav.
W. 8054 " " " var.
W. 6355 " ledifolia Wedd.
W. 6361 " Orbignyana Wedd.
W. 6386 " sp. probably undescribed
W. 8351 Perezia multiflora (HBK.) Less
W. 6374 " "
W. 6390 Perezia purpurata Wedd.
W. 7039 Perezia sp.
6459 W. Trixis antimenorrhoea (Schrank) Mart.
W. 8278 Hypochaeris brasiliensis (Less.) Griseb. ?
W. 7048 " setosus (Wedd.) Rusby
(6073) " "
W. 8452 Picrosia longifolia Don

Proteaceae

- W. 7067 Embothrium grandiflorum Lam.
W. 8085 " "

LORETACEAE

- W. 8173 Phrygilanthus eugenioides (HBK) Eichl.
W. 8158 " longibracteatus (Desv.) Macbr.
W. 8083 Psittacanthus sp. aff. P. coccineus Fatsch. probably new.

AMITOCHNIACEAE

- W. 8419 Aristolochia Esperanzae Kuntze

POLYGONACEAE

- W. 6385 Fuhlenbeckia vulcanica (Benth) Endl.
W. 7038 " fruticulosa (Walp.) Stanfl.
W. 7194 Triplaris Pavonii Meisn.

CHENOPODIACEAE

- W. 6308 Chenopodium incisum Poir.
W. 8439 " ambrosioides L.

NYCTAGINACEAE

- W. 6320 Allonia incarnata L.
W. 8294 Boerhaavia caribaea Jacq.
W. 6340 Mirabilis prostrata (R. & P.) ~~Heimerl.~~ Heimerl.
W. 8256 Pisoniella arborescens (Lag. & Rodr.) Standl.

PORTULACACEAE

- W. 8153 Calandrinia acaulis HBK.
W. 8292 Portulaca sp. ~~A//A//A~~ (mixture of two species) I have restricted
no. 8292 to large plant with narrow leaves, white seeds
and capsule dehiscant about the middle.
no 8292A is the small plant with broad green leaves, capsule
dehiscant near base and small smoothish plump metallic seeds.

I am unable to give a satisfactory name to either plant.

- (no. 6191) Talinum triangulare (Jacq.) Willd. a correction
W. 8003 Talinum aniculatum (Jacq.) Gaertn.
W. 8416 " "

PHYTOLACCACEAE

- W. 8417 Hilleria latifolia (Lam.) Walt.
W. 8392 Achatocarpus praecox Griseb.

Caryophyllaceae

- W. 8154 Cerasium vulgatum L. var.

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determinations by I. M. Johnston

RANUNCULACEAE

- W. 8052 *Clematis parvifrons* Ulbrich
W. 8432 *Clematis montevidensis* Spreng.
(this is the correct name for the variable *Clematis*
of southern So. Amer. passing usually as *C. hilaris*
(here belongs W. 6234, M. 4320, M. 4360 and M. 4325)
W. 8251 *Clematis montevidensis* Spreng.
W. 7198 *Clematis sericea* HBK. glabrate form
W. 8094 *Ranunculus pilosus* HBK.
W. 8123 " *peruvianus* DC.
W. 8273 " *agremonifolius* Griseb.
W. 7050 *Anemone integrifolia* HBK.

PAPAVERACEAE

- W. 6472 *Bacconia frutescens* L.

SAXIFRAGACEAE

- W. 8314 *Escallonia aculeata* Kunze
W. 8129 *Saxifraga peruviana* Sternb.
W. 8101 *Ribes peruvianum* Jancz.
W. 6383 *Ribes glandulosum* R. & P. sensu Janczewski
M. 4199 " " " " (new identification)
W. 8135 " " " "

Berberidaceae

- 7041 *Berberis* sp.

CAPPARIDACEAE

- W. 8167 *Cleome glandulosa* R. & P.
W. 8408 *Cleome gigantea* L.
W. 8388 *Cleome cordobensis* Eichl.

ROSACEAE

- W. 8073 *Kageneckia lanceolata* R. & P.

CUCULIACEAE

- W. 6302 *Lepidium bonariense* L.
W. 6359 *Sisymbrium peruvianum* DC.
W. 6332 *Sisymbrium* sp. ? too young

ANACARDIACEAE

8354 Haplorhus peruviana Engler (Rare and very interesting species)

CANNACEAE

6419 Canna indica L. ?

TAXACEAE

8317 Podocarpus Parlatorei Pilger

EPHEDRACEAE

8297 Ephedra triandra Tul.

6357 Ephedra americana Humb. & Bonpl.

ARACEAE

8423 Synandropadix vermitoxicus (Gris.) Engler

LILIACEAE

8293 Nothoscordum

3581 Nothoscordum andicola Kunth

AMARYLLIDACEAE

6228 Eustephiopsis latifolia R.E. Fries

7161 Eustephia coccinea Cav.

7171 " "

3681 " "

3691 " "

8048 Crocopsis fulgens Pax

8049 " "

7168 Zephyranthes parvula Killip

3682 Urceolina peruviana (Presl) Macbride - correction

8047 " "

8233 Alstroemeria Fiebrigiana Kraenzl.

Reed Hippeastrum sp. Accession no. 37.1001

8012 Fourcroya andina Treubl.

8309 Hypoxis decumbens L.

Reed Conanthera campanulata Don Accession no. 37.1161

DIOSCOREACEAE

8252 Dioscorea sinuata Vell.

6429 Dioscorea amarantoides Presl

IRIDACEAE

6446 Excremis coarctata (R.&P.) Baker

7075 " "

8113 Orthrosenthus ocisapunga Ruiz

8331 Sisyrinchium palmifolium L.

7029 " praealtum Kraenzl.

8280 " azureum Phil.

COMMELINACEAE

8445 Commelina sp.

8238 " "

8438 Tinantia erecta (Jacq.) Schlecht.

CYPERACEAE

8171 Carex Bonplandii Kunth

8143 Carex sp.

PIPERACEAE

8156 Peperomia sp.

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determined at the Gray Herb by I.M. Johnston (May. 1938)

GRAMINAE

- 7025 Calamagrostis sp. too mature
8132 Calamagrostis sp. perhaps vicunarium Pilger (too mature)
6447 Andropogon condensatus HBK.
8455 Panicum sp.
6348 Aristida adscensionis L.
8249 Paspalum notatum Flugge
7109 Paspalum penicillatum Hook.f.
6341 Melica
7111 Guadua sp.?

- W. 8022 *Salvia occidentalis* Sw.
W. 8288 *Salvia stachydifolia* Benth
W. 8295 *Salvia rypara* Briq.
W. 8243 " "
W. 8209 *Salvia tubiflora* Sm.
W. 8108 *Salvia oppositiflora* R.&P.
W. 8105 " "
W. 6343 *Salvia Gilliesii* Benth.
W. 7174 *Salvia sarmentosa* Epling
Vargas 191 *Salvia oppositiflora* R.&P.
W. 8091 *Hyptis eriocephala* Benth
W. 8208 *Hyptis sidaefolia* (L'Her.) Briq.
W. 6465 *Hyptis Tafallae* Benth
W. 8014 *Hyptis odorata* Benth.
W. 8087 *Scutellaria garconoides* Benth.
W. 6418 *Lepechinia Codon* Epling
W. 8092 *Satureja tomentosa* (Kunth) Briq.
W. 6384 *Satureja boliviana* (Benth.) Briq.
W. 8232 *Satureja parvifolia* (Phil.) Epling

duplicate
keep

MELASTOMACEAE (det. by H.A.Gleason)

- W. 7123a *?Clidemia* sp.? "undoubtedly teratological"
W. 7034 *Brachyotum nutans* Gleason
W. 6422 *Brachyotum quinquenervium* (R.&P.) Triana
W. 3766 *Brachyotum* sp.
W. 3662 " "
M. 4296 *Tibouchina cornuta* Gleason
W. 6456 *Tibouchina* sp. probably new but no corolla
W. 8267 *Tibouchina* sp. probably new but no stamens
W. 7072 *Tibouchina dimorphophylla* Gleason
W. 6251 *Tibouchina paratropica* (Griseb.) Cogn.
W. 8138 *Miconia media* Triana
W. 8110 " "
W. 3835 *Miconia alina* Cogn.
M. 4237 *Miconia calvescens* (Sch.& Mart.) DC.
W. 7123 *Tococa occidentalis* Naud.

URTICACEAE (det. Killip)

- Vargas 218 *Boehmeria brevirostris* Wedd.
W. 6463 *Phenax laevigatus* Wedd.
W. 8035 *Pilea nutans* (Poepp.) Wedd.

PASSIFLORACEAE (det. E.P.Killip)

- W. 8126 *Passiflora parvifolia* (DC.) Harms
W. 8175 *Passiflora Matthewsii* (Mast.) Killip (approaching *P. mixta*)

GESNERIACEAE (det. C.V.Morton)

- W. 7117 *Alloplectus speciosa* Poepp. & Endl.
W. 7118 *Scemannia sylvatica* (HBK.) Hanst.

VALERIANACEAE (det. E.P.Killip)

- W. 6329 Valeriana potepensis Briq.
- W. 8150 Valeriana Weberbaueri Graebn.
- W. 8142 Belonanthus spathulatus (R.&P.) Schm.
- W. 8151 Phyllactis rigida (R.&P.) Pers.

AMARYLLIDACEAE (Bomarea -- det. E.P.Killip)

- W. 5717 Bomarea puberula (Herb.) Kraenzl.
- W. 8159 B. porrecta Killip
- W. 8107 B. porrecta Killip
- W. 3689 B. ovata (Cav.) *Wint*
- W. 7081 B. aurantiaca Herb.
- W. 7099 B. distachophylla (R.&P.) Baker
- W. 6387 B. petraea Kraenzl.
- W. 6500 B. Bridgesiana Beauverd ?
- W. 3770 B. dulcis (Hook.) Beauv.
- W. 6114 B. Martiana Schenck
- M. 4258 B. maculata Killip
- W. 7073 B. setacea (R.&P.) Herb.
- W. 3769 B. sanguinea Kraenzl.

Copy

W. 7091 *Fuchsia sanctae-rosae* Kuntze (garden material)

W. 6414 " " " " " "

M. 4292 *Fuchsia boliviana* Carr. " "

W. 6462 " " " "

West s/n *Fuchsia magellanica* Lam. Acces. no. 36.1486 garden material

Goodspeed 4591 *Fuchsia thymifolia* HBK. ? a Mexican species.

West 7083 *Fuchsia austromontana* n.sp. type Gray & U.C. material OK.

West 7093 *F. leptopoda* Krause vel n. sp. (not *F. austromontana* !)

no. 7034 *Brachyotum* acc. to Det. by Gleason.

6205 cant locate this number at Gray Herb.

} cf. request of Nov. 17th

from Mrs Locke

Letter from Mrs. Locke dated Sept. 6, 1938

Vargas plant is *Fuchsia macrantha* Hook. (not *chlorooba*)

Letter from Mrs Locke dated Jan. 6, 1939

Stork & Horton 9420 is *Renealmia micrantha* V. Schum.

ANACARDIACEAE

- W. 4802 *Schinus montanus* Engler
W. 4782 " "
W. 4742 *Schinus* sp. Very peculiar form which I cant place. Wish I had fruit.
W. 6010 *Schinus polygamus* (Cav.) Johnston
W. 3972 " "
W. 3747 *Schinus andinus* (Engler) Johnston, var. *peruvianus* Johnston, var. nov.
W. 3952 *Schinus latifolius* (Gill.) Engler, var. *tomentosus* Fenzl
W. 4989 *Lithraea caustica* (Molina) Miers

CELASTRACEAE

- W. 3781 *Maytenus* sp.? Is so new. Fruit needed here.
W. 4803 *Maytenus disticha* Urban
W. 4833 " "
W. 4792 *Maytenus Boaria* Molina
W. 5146

CORIARIACEAE

- W. 3761 *Coriaria thymifolia* Willd.
W. 4678 *Coriaria ruscifolia* L.

VITACEAE

- M. 4342 *Cissus palmata* Poir.
W. 6128 *Cissus Tweediana* (Baker) Planch.

~~W. 4843~~

- W. 4843 *Cissus striata* R. & P.
W. 3579 *Cissus sicyoides* L.

BROMELIACEAE determined by L. B. Smith.

- W. 5143 *Puya coerulea* Lindl.
W. 3936 *Puya chilensis* Molina
W. 4573 *Puya venusta* Phil.
W. 4981 *Puya alpestris* (Poeppig) Gay
W. 4927 " "
W. 4926 " "

M. 4264 *Tillandsia capillaris* R. & P. forma *virescens* (R. & P.) Smith
W. 3836 " *bryoides* Griseb.
W. 3594 " *recurvata* L.
W. 3599 " *paleacea* Presl
W. 3598 " *purpurea* R. & P.

W. 6176 *Deuterochonia Schreiteri* Castillanos

MYRTACEAE

- W. 4865 *Myrtus Luma* Molina
W. 4729 " "
W. 4805 " "

W. 4831 *Myrcogenia buxifolia* (Ph.) Reiche
W. 4863 " *ovata* (H. & A.) Berg
W. 4884 " "
W. 5079 " *obtusa* (H. & A.) Berg
W. 5192 " "
W. 4861 " *planipes* (H. & A.) Berg

W. 5125 *Eugenia Chequen* H. & A.
W. 4579 " "

W. 4906 *Myrteola Berneoudii* Berg

M. 4266 *Psidium Araca* Raddi

HALAGORAGIDACEAE

- W. 4561 *Gunnera chilensis* Lam.

ARALIACEAE

- W. 4676 *Pseudopanax laetevirens* (Gay) Seem.

BEGONIACEAE

- W. 6217 *Begonia* sp. equals Venturi 2996 Probably new
W. 6216 *Begonia* sp. equals W. 6244 & Joergensen 1343 Probably new
W. 6244 " "
W. 3617 *Begonia octopetala* L'Herit.
M. 4051 " "
M. 4020 " "
M. 4152 *Begonia* sp.
W. 3818 *Begonia Clarkei* Hook. f.

LYTHRACEAE cont.

- M. 4308 *Adenaria floribunda* HBK.

Jeffrey

LOSACEAE

W. 6181 *Mentzelia parvifolia* Urban & Gilg

W. 3923 *Loasa elongata* H. & A.

M. 4011 *Loasa urens* Jacq.

W. 4675 *Loasa acanthifolia* Desv.

W. 5135 *Loasa floribunda* H. & A.

W. 6015 *Loasa pallida* Gillies

W. 3601 *Loasa incana* Graham

W. 5247 *Cajophora coronata* H. & A.

M. 4611 " "

W. 4768 " *tomentosula* Urb. & Gilg

W. 6263 " *hibiscifolia* (Griseb.) Urb. & Gilg

W. 6084 " *rosulata* (Wedd.) Urb. & Gilg

W. 3654 " *contorta* (Hesv.) Urb. & Gilg

W. 6090 " *horrida* (Britton) Urb. & Gilg

M. 4197 " *cirsiiifolia* Presl

W. 3732 " sp.

UMBELLIFERAE

W. 5058 *Apium Panul* (Bert.) Reiche

M. 4049 *Spananthe paniculata* Jacq.

M. 4379 *Ammi visnaga* (L.) Lam.

W. 4744 *Eryngium paniculatum* Cav.

M. 4277 *Eryngium elegans* C. & S.

W. 4859 *Hydrocotyle Poeppigii* DC

W. 5119 " "

W. 4808 *Osmorrhiza Berterii* DC.

W. 4743 *Mulinum spinosum* (Cav.) Pers.

W. 4757 " *microphyllum* (Cav.) Pers.

W. 5184 " *euneatum* H. & A.

W. 4941 " "

W. 6018 *Gymnophyton* sp. Is this certainly from prov. Santiago??

W. 5136 " *polycephalum* Clos

M. 4368 *Asteriscium* sp. Apparently new

W. 4370 " *chilense* C. & S.

W. 6033 *Azorella Yareta* Hauman

W. 3740 " *diapensioides* Gray

W. 4992 *Centella triflora* (R. & P.) Nannf.

CORNACEAE

W. 4694 *Griselinia racemosa* (Ph.) Taub.

W. 5190 " *scandens* (R. & P.) Taub.

W. 4985 " "

LINACEAE

- G. 4596 *Linum Macraei* Benth
W. 4980 " "

MALPIGHIACEAE

- M. 4143 *Stigmatophyllum bogotense* Trian. & Planch.
M. 4285 *Brysonima crassifolia* (L.) HBK.
W. 6264 *Janusia guarenitica* (St.Hil.) Juss.
W. 3894 *Dimagonum Gayanum* Juss.

ZYGOPHYLLACEAE

- W. 6179 *Tribulus terrestris* L.
M. 4086 " "
M. 4344 *Kallstroemia maxima* (L.) T. & G.
W. 6194 *Bulnesia* n. sp.
M. 4381 *Bulnesia retama* (Gillies) Griseb.
M. 4363 *Larrea nitida* Cav.
W. 6195 *Larrea divaricata* Cav.

POLYGALACEAE

- M. 4603 *Monnina dictyocarpa* Griseb.
M. 4175 *Monnina* n. sp.
W. 4942 *Monnina linearifolia* R. & P.
M. 4007 *Monnina pterocarpa* R. & P.
M. 4311 *Monnina nigrescens* Rusby
W. 6261 *Monnina herbacea* DC
W. 5109 *Polygala gnidioides* Willd.

EUPHORBIACEAE

- W. 6171 *Euphorbia*
W. 6278 *Euphorbia*
M. 4044 *Euphorbia*
G. 4584 *Euphorbia portulacoides* L.
W. 4933 " "
W. 3796 *Jatropha ciliata* Mull. Arg.
W. 6279 *Tragia pseudomelochioides* Pax & Hoffm.
W. 6016 *Colliguaya integerrima* Gill. & Hook.
M. 4400 " "
W. 5128 *Colliguaya odorifera* Molina
W. 6148 *Sapium haematospermum* Mull. Arg.

SAPINDACEAE

- W. 5133 *Valenzuela trinervis* Bertero
W. 6157 *Urvillea uniloba* Radlk.
M. 4327 *Serjania fulta* Griseb.
W. 6143 " "

RHAMNACEAE

- W. 3744 *Colletia Weddelliana* Miers.
W. 4736 *Discaria longispina* (H. & A.) Miers
W. 4700 *Discaria serratifolia* (Miers) B. & H. ex Weberb.
W. 4556 *Retamilla striata* H. & A.
M. 4076 *Scypharia senticosa* (HBK.) Miers

ELEOCHARACEAE

- W. 5124 *Aristotelia chilensis* (Molina) Stuntz
W. 4555 " "
W. 4652 " "

Ceylon

24

LYTHRACEAE

- W. 3896 *Pleurophora pungens* Don.
M. 4121 *Cuphea cordata* R. & P.
W. 3776 " *dipetala* (L.f.) Koehne
M. 4282 " *ianthina* Koehne

FRANKENIACEAE

- W. 6083 *Anthobryum triandrum* (Remy) Surgis
W. 6024 " "
W. 3873 *Frankenia chilensis* Presl

MALESHERBIACEAE

- W. 3939 *Malesherbia paniculata* Don
W. 5171 " *linearifolia* (Cav.) Poir.

PASSIFLORACEAE

- W. 3759 *Passiflora trisecta* Mast.
W. 3737 " *trifoliata* Cav.
M. 4303 " *rubra* L.f. ? no flowers
M. 4348 " *caerulea* L.
M. 4319 " *naviculata* Griseb.
M. 4284 " *coccinea* Aubl.

HYPERICACEAE

- W. 5106 *Hypericum caespitosum* C. & S.
M. 4042 " *uliginosum* HBK.
M. 4269 " *stylosum* Rusby
M. 4122 " *laricifolium* Juss.

- M. 4268 *Vismia glabra* R. & P.
M. 4138 " *tomentosa* R. & P.

- M. 4134 *Clusia* sp.

DILLINIACEAE

- M. 4310 *Saurauja pseudoparviflora* Buscal.

THEACEAE

- M. 4137 *Wikstroemia fruticosa* Schrad.

MALVACEAE

- W. 3731 *Nototriche Pearcei* (Baker) Hill
W. 6078 " *anthemiifolia* (Remy) Hill
- W. 6239 *Abutilon niveum* Griseb.
M. 4062 " sp.
M. 4104 " sp.
W. 3755 " *sylvaticum* (Cav.) Schum.
W. 6126 " *mollissimum* Sweet
- M. 4107 *Wissadula microcarpa* Fries
W. 6137 " *aff. macrantha* Fries
M. 4346 " *gymnanthemum* (Gris.) Schum.
- M. 4094 *Sida rhombifolia* L.
M. 4149 " "
M. 4276 " *cordifolia* L.
- M. 4151 *Pavonia paniculata* Cav.
- M. 4150 *Malva verticillata* L.
- M. 4183 *Cristaria formosula* Johnston
W. 3901 " *cf. elegans* Gay specimen poor.
W. 3916 " *glaucophylla* Cav.
- M. 4338 *Sphaeralcea rhombifolia* Griseb.
M. 4337 " *mendocina* Ph.
- M. 4180 *Malvastrum mollendense* Ulbr.
W. 3613 " *peruvianum* (L.) Gray
M. 4043 " "
- M. 4324 *Modiolastrum malvifolium* Griseb.
- M. 4165 *Palaua dissecta* Benth.
M. 4185 " "

Copy

ONAGRACEAE

W. 3705	Fuchsia	garden form
M. 4129	"	abrupta Johnston
W. 3669	"	macrantha Hook.
M. 4128	"	decussata R. & P.
M. 4126	"	"
M. 4127	"	denticulata R. & P.
W. 3783	"	boliviana Carr.
M. 4286	"	"
M. 4292	"	"
W. 3921	"	rosea R. & P.
W. 4046	"	garden form
G. 4589	"	garden form
W. 3980	"	magellanica Lam.
W. 3919	Oenothera	coquimbensis Gay
W. 3969	"	acaulis Cav.
M. 4116	"	rosea Aiton
M. 4167	"	verrucosa Johnston
M. 4386	"	odorata Jacq.
M. 4354	"	affinis Cambess.
W. 5096	Godetia	tenuifolia (Cav.) Steud.
G. 4595	"	"
W. 3960	"	tenuifolia (Cav.) Spach ?

COMPOSITAE (148)

- W. 6136 *Verbesina Lilloi* Blake, a pubescent form.
W. 6288 " *australis* Baker
W. 6118 " "
- W. 4915 *Gnaphalium Chamissonis* DC.
W. 3670 " *capitatum* Griseb.
W. 6089 " Sp.
- M. 4262 *Lucelia Pickeringii* Gray
- W. 6007 *Madia sativa* Molina
- M. 4032 *Villanova oppositifolia* Lag.
- W. 3914 *Bahia ambrosioides* Lag.
- W. 6180 *Flaveria bidentis* (L.) Kuntze
- M. 4399 *Cephalophora heterophylla* Less.
- M. 4084 *Porophyllum ruderale* (Jacq.) Cass.
- M. 4115 *Tagetes elliptica* DC.?
- W. 4148 *Liebum igniarium* (H. & A.) Less.?
- W. 3855 *Grindelia boliviana* Rusby
W. 3640 " *tarapacana* Ph.
- M. 4329 *Hysterionica caurina* Johnston
- W. 6088 *Lepidophyllum quadrangulare* (Meyen) B. & H.
- W. 6066 *Gutierrezia taltalensis* Phil.
W. 6094 " *Gilliesii* Griseb.
- W. 3580 *Pluchea chingiyo* (HBK.) DC.
- M. 4380a. *Tessaria absinthioides* DC.
M. 4366 " "
- M. 4033 *Erigeron leptorhizum* DC.
- W. 4967 *Conyza chilensis* Spreng.
- W. 6113 *Heterothalmus boliviensis* Wedd.
M. 4365 " *spartioides* H. & A.
- W. 5105 *Baccharis rhotinodes* Walp.
W. 4737 " *umbelliformis* DC.
M. 4362 " *marginalis* DC.
W. 6087 " *microphylla* HBK.
W. 6097 " "
W. 3826 " *genistelloides* (Lam.) Pers.
W. 3666 " *odorata* HBK.
W. 3735 " *floribunda* HBK.
3637 W. 3637 " "
3667 W. 3667 " *alpina* HBK.

641

- W. 6174 *Stevia minor* Griseb.
 W. 6168 " *potrerensis* Hieron.
 W. 3616 " *melissaefolia* (Lam.) Sch.Bip.
 W. 6274 " sp.
 W. 3883 *Ophryosporus triangularis* Meyen
 M. 4154 *Eupatorium amygdalinum* Lam.
 W. 3857 " *Pentlandianum* DC.
 W. 6240 " *macrocephalum* Less.
 W. 6153 " *Maximiliani* Schrad
 W. 6233 " *laevigatum* Lam.
 W. 3946 " *glechonophyllum* Less.
 W. 3944 " *Salvia Colla*
 W. 3611 " sp.
 W. 6140 *Vernonia saltensis* Hieron.
 W. 4552 *Podanthus ovatifolius* Lag.
 W. 3933 *Aplopappus chrysanthemifolius* (Less.) DC.
 W. 5139 " "
 W. 4925 " *macrocephalus* (Less.) DC.
 W. 3846 *Wedelia* sp. ? Specimen inadequate
 W. 6100 *Flourensia Fiebrigii* Blake
 W. 6138 *Acanthospermum hispidum* DC.
 W. 6172 *Zinnia peruviana* L.
 M. 4355 " *multiflora* L.
 W. 6117 " "
 W. 4866 *Leptocarpha rivularis* DC.
 W. 3832 *Franseria artemisioides* Willd.
 M. 4371 *Parthenium Hysterophorus* L.
 W. 6271 *Spilanthes alpestris* Griseb.
 M. 4022 " *telepis* Moore
 M. 4041 " "
 W. 3574 *Encelia canescens* Lam.
 M. 4089 " "
 W. 3892 " " var. *tomentosa* (Walp.) Ball.
 W. 3874 " " "
 W. 3893 *Viguiera revoluta* (Meyen) Blake
 W. 6013 " "
 W. 6286 " *tucamensis* (H. & A.) Griseb.
 M. 4164 " *Weberbaueri* Blake
 W. 6209 *Cosmos peucedanifolius* Wedd.
 M. 4289 *Solidago microglossa* DC.
 W. 6241 " "

- W. 3926 *Centaurea chilensis* H. & A. var. *stenolepis* Phil.
(two sheets sent, one with field label; shouldnt one be returned?)
- W. 4934 *Centaurea bulbosa* H. & A.
- W. 6196 *Carduus nutans* L. var. *macrocephalus* (Desf.) European weed
M. 4357 " " "
- M. 4271 *Hieracium* sp. probably undescribed (a native plant)
- W. 4755 *Hypochaeris* sp. aff. *H. coronopifolia* (Comm.) Franch. Probably worth naming.
W. 6073 *Hypochaeris* sp.
W. 6071 *Hypochaeris Meyenianus* (Walp.) Griseb.
M. 4191 " *stenocephala* (Gray) Ktze.
W. 3663 " "
- W. 6109 *Chuquiraga acanthophylla* Wedd.
W. 5145 " *oppositifolia* Don
- W. 3920 *Moscharia pinnatifida* R. & P.
- W. 6076 *Perezia ciliosa* (Phil.) Reiche
W. 3720 " *pungens* Less.
M. 4619 " *carthamoides* (Don) H. & A.
W. 5182 " *nutans* Less.
- W. 6008 *Leucheria floribunda* DC.
W. 3975 " *acanthoides* Don
W. 4750 " *multifida* (DC.) Reiche
W. 4930 " *rosea* (DC.) Reiche
W. 5250 " perhaps form of *L. foliosa* Ph. A very queer plant please send me all your material for study.
- W. 3870 *Gymnothamnium pinifolium* Phil.
- W. 6192 *Plazia spartioides* (Wedd.)
- G. 4597 *Triptilion cordifolium* Lag.
W. 3993 " *spinosum* R. & P.
W. 4922 " "
- W. 6004 *Nassauvia uniflora* (Don) Hauman
W. 5246 " *spinosa* Don
- W. 6133 *Cnicothamnus Lorentzii* Griseb.
- M. 4088 *Onoseris odorata* H. & A.
- W. 5141 *Gochnatia rigida* Don
- W. 5197 *Proustia pyrifolia* Lag.
- W. 5122 *Mutisia latifolia* Don
W. 3964 " "
W. 4761 " *retusa* Remy, var. *glaberrima* Phil
W. 6017 " *acerosa* Poepp.
W. 6093 " *subulata* R. & P.
W. 5131 " *lineariaefolia* Remy
M. 4388 " *subspinosa* Cav.

- W. 4918 *Chaetanthera serrata* R. & P.
 W. 3961 " *flabellata* Don
 W. 3917 " *glabrata* (DC.) Meigen
 W. 5158 " n. sp.?

W. 4924 *Trichocline aurea* Don

M. 4321 *Chaptalia nutans* (L.) Polak.

- W. 3876 *Polyachyrus fuscus* (Meyen) Walp.
 W. 3954 " *Poeppigii* Kunze

- W. 4684 *Senecio chilensis* Less.
 M. 4046 " *Abadianus* DC.
 M. 4259 " *clivicola* Wedd.
 W. 6091 " *graveolens* Wedd.
 W. 6185 " *albicaulis* H. & A.
 M. 4384 " "
 W. 6009 " *rutaceus* Phil.
 W. 4568 " *adenotrichus* DC.
 W. 3903 " *hakaefolius* Bertero
 W. 3996 " *Gumingii* H. & A.
 G. 4594 " *glaber* Less.
 W. 4710 " *trifurcatus* Less.
 W. 4599 " *denticulatus* DC.
 W. 3979 " "
 W. 5165 " sp.
 W. 6085 " sp.
 W. 4754 " "
 M. 4395 " *glandulosus* Don.

For a representative collection of the size accumulated by Mrs Mexia and Mrs West in western and southern South America I would am surprized at the relatively few numbers of *Senecio*. Around 150 species is about the normal expectancy for a collection of this size and scope. Dont feel that I am disappointed; because naming *Senecios* is hard work!!

- W. 3795 *Tessaria* n. sp?
 M. 4045 *Galinsoga* ?
 M. 4030 genus unrecognized

These three numbers are snags that need more study. I may need the help of Blake. I will defer report until later.

38
 40
 41
 29

148

AMARYLLIDACEAE

- G. 4610 *Hippiastrum graciliflorum* (Phycella graciliflora Herbert)
G. 5210 " " ? no flowers
W. 4570 " advenum Herb.
W. 4563 " "
W. 4904 " sp.
W. 4903 " sp.
M. 4188 *Zephyranthes parvula* Millip
M. 4083 " tubiflora (Herit.) Schinz
W. 3849 *Hymenocallis* sp.
W. 3760 *Stenomesson* sp. ? no flowers
W. 3636 " humile (Herb.) Baker
M. 4037 " aurantiacum (HBK.) Herb.
W. 3682 " coccineum (R. & P.) Herb.
W. 6114 *Bomarea Martiana* Schenck
W. 3761 *Bomarea sanguinea* Kranzl.
M. 4253 *Bomarea Piebrigiana* Kranzl.
W. 3717 *Bomarea involucrata* (Herb.) Baker
W. 3770 *Bomarea dulcis* (Hook.) Beauv.
Garv. 3104 *B. salsilla* Herb.
W. 4886 *Bomarea salsilla* Herb.
W. 3689 *Bomarea* sp.
M. 4627 *Alstroemeria pallida* Graham cf. Bot. Mag. 58: tab. 3040.
W. 5101 " sp.
W. 4920 " sp.
W. 4961 " ligtu L. var. ?
W. 4919 " sp.
W. 5071 " ligtu L.
W. 3967 " haemantha R. & P.
W. 5180 " revoluta R. & P. at least as generally accepted.
W. 5179 " "
W. 4845 " versicolor R. & P.
W. 5149 " Hookeriana Schultes
W. 5243 " spathulata Presl
W. 4921 " pulchra Sims ?
W. 3984 " pulchra Sims
W. 3971 " "
G. 4536 " recumbens Herbert
W. 3957 " "

Univ. Calif. Bot. Gard. exped to So. Amer.

Legit James West

11

Misc. plants from western Mexico and Cent. Amer. (arranged systematically)

- W. 3503 *Cyperus cayennensis* (Lam.) Britt.
W. 3564 *Cyperus ligularis* L.
W. 3526 *Piper*
W. 3539 *Piper*
W. 3512 *Ficus mexicana* Miquel
W. 3534 *Coccoloba floribunda* (Benth.) Lindau
W. 3529 *Rivina humilis* L.
W. 3522 *Agdestis clematidea* Moc. & Sesse
W. 3502 *Caesalpinia pulcherrima* Sw.
W. 3557 *Crotalaria retusa* L.
W. 3540 *Pachyrhizus erosus* (L.) Urban
W. 3509 *Cassia occidentalis* L.
W. 3527 *Mimosa leptocarpa* Rose
W. 3507 *Ditaxis tinctoria* (Millsp.) Pax & Hoffm.
W. 3559 *Serjania* sp. probably *S. triquetra* Radlk. fruit needed!
W. 3552 *Malvaviscus arboreus* Cav.
W. 3524 " "
W. 3523 *Malvastrum coromandelianum* (L.) Garcke
W. 3550 *Carica papaya* L.
W. 3558 *Passiflora pulchella* HBK.
W. 3548 *Terminalia catappa* L.
W. 3565 *Conocarpus erecta* L.
W. 3504 *Marsdenia mexicana* Decn.
W. 3537 *Funastrum*
W. 3506 *Macrocepia* sp.? Am unable to make floral dissections.
W. 3551 *Thevetia plumeriaefolia* Benth.
W. 3535 *Stemmadenia glabra* Benth.
W. 3521 *Ipomoea* sp.? A very interesting and puzzling specimen. Needs more study.
W. 3501 *Cordia alba* (Jacq.) R. & S.
W. 3542 *Cordia salvadorensis* Standley
W. 3531 *Physalis nicandroides* Schlectend. ?
W. 3514 *Solanum madreense* Fernald
W. 3505 *Russelia polyedra* Zucc.
W. 3510 *Elytraria squamosa* (Jacq.) Lindau
W. 3508 *Parmentiera aculeata* (HBK.) Seemen
W. 3511 *Crescentia cujete* L.
W. 3561 *Cydista diversifolia* (HBK.) Miers
W. 3546 *Elaterium gracile* (H. & A.) Cogn.
W. 3541 *Hamelia erecta* Jac.
W. 3530 *Hamelia nodosa* Mart. & Gal.
W. 3547 *Sclerocarpus divaricatus* Benth.

Univ. Cali. Bot. Gard. Exped to So. Amer. (Preliminary names of special groups)
June 1, 1938

Solanum species (genus in a mess and any specific name used would be questionable)
6410, 6461, 6475, 6476, 7192, 7193, 8015, 8028, 8029, 8030, 8031, 8044, 8170, 8194,
8214, 8216, 8217, 8254, 8338, 8355, 8366, 8389 and 8448.

Senecioid Compositae sent to Berlin for identification by Dr. Walter Domke.

Gynoxis sp.

Senecio spp

6444

6324

Liabum

6381

(earlier numbers of West and Mexia plants
were sent to Domke late in 1936

6427

6457

along with all the other collection

6471

7024

of these genera, from Peru and Bolivia,

8089

7037

found in the Gray Herb. No report nor

8152

7136

no specimens yet returned.)

7176

Werneria

8145

6363

8189

7046

8244

7160

8188

Melastomataceae sent to H.A. Gleason for identification (i.e. N.Y. Bot. Garden)

Mexia 4296 and 4297 West 3662, 3766, 3835, 6251, 6422, 6456, 7034, 7072
7123, 7123A, 8110, 8138 and 8267.

Labiatae Various specimens sent Epling months ago and still unreturned and unnamed.

Special groups sent to U.S. Nat Herb (to Killip)

Passiflora

~~Bomarea~~ Bomarea

Justicia (for Leonard)

8126, 7177

3689

6442

8175

3717

Valerianaceae

3769

Gesneriaceae (for Morton)

8142 Belonanthus

3770

7117

8150

4258

7118

8151 Valeriana

6114

6329

6387

6500

Pilea

7073

6465

7081

8035

7099

8107

8159

CORRECTIONS of plants previously reported.

W. 6194 Bulnesia Schickendantzii Hieron.

M. 4363 Larrea divaricata Cav.

4782 Schinus crenatus (Ph.) Engler

4802

4742

W. 4162 Linaria texana Sheele

Bulb found mixed with Leucocoryne in cultures (cf. Goodspeed letter May 18th, 38)

Gilliesia graminea Lindl.

Ferns of James West

- 8147 *Polypodium peruvianum* Desv.
8320 *Anemia tomentosa* (Sav.) Sw.
8375 *Polypodium polypodioides* (L.) Watt, var. minus (Fée) Weath.
8409 *Anemia rotundifolia* Schrad.
8410 *Doryopteris* cf. *D. patula* Fée
8411 *Pteris denticulata* Sw. var. *papyracea* Christ?
8412 *Adiantum Lorentzii* Hieron.
7102 *Selaginella Poeppigiana* (Hook. & Grev.) Spring

Let Weatherby

TA 9	D	SW
Foot	A	W
Salis	A	W

S Lorenzo lat. 103° 20-25
 Lac? long 24 12
 N of La Honda
 at other end of lake.
 102 miles SW of Porton

170

169

To Dr. I. M. Johnston, 10/12/37

conspicuous with
West no 4513
TYPE

Specimens from plants grown at U. C. Botanical Garden
from seed collected in South America:

Coll. No.	U.C.B.G. Accessio n	Determination of specimen of equivalent number, collected in field, named by Dr. Johnston:
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OK3912	36.1186	Calceolaria ascendens Lindl. OK
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OK3938	36.1559	pristiphylla Phil. OK
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X4513	36.1302	<i>C. petrophila</i> n. sp. ? Coll. as seed only. ✓
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X4550	36.1507	- <i>C. pinnata</i> L. - ? " " " "
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4582	36.1316	- <i>corymbosa</i> R. & P. - ? " " " "
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X 4772	36.1589	foliosa Phil. <i>C. tigris</i> n. sp.
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OK5142	36.1356	purpurea Grah. OK
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at GH = <i>Reperitum</i> 5186	36.1623	hypericum Poeppig <i>campanae</i> Phil
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5248	36.1400	flabellifolia
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5227	36.1388	- <i>corymbosa</i> R. & P. - ? Coll. as seed only.
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OK 6245	36.1466	teucroides Gris. OK
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OK 6395	36.1846	bartsiaefolia Wedd. typica OK
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OK6428	36.1783	tomentosa R. & P. OK
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X 7001	36.1830	diversifolia Kraenzl. <i>myrphylla</i> tr.
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7107	36.1909	n. sp. 1
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← *C. chelidonioides* HBK.
No label received

Each specimen accompanied by photograph of fls. and/or
plant except #4582 (36.1316).

C. nap. ? n. sp.
C. darmentosa

C. Engleriana Kraenzl W. 3858
W. 3733
W. 7002